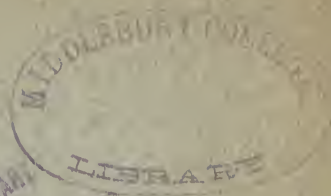


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BRYN MAWR COLLEGE

CALENDAR

GRADUATE COURSES

1908



BRYN MAWR, PENNSYLVANIA.

Published by Bryn Mawr College,
April, 1908.

Volume I. Part 2.

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Entered at the Bryn Mawr Post-Office as second-class matter.

Printed by the John C. Winston Co.

Philadelphia, Pa.

BRYN MAWR COLLEGE CALENDAR.

1908.

PART 1. Register of Alumnæ and Former Students.

PART 2. Graduate Courses.

PART 3. Undergraduate and Graduate Courses.

PART 4. Academic Buildings and Halls of Residence,
Plans and Descriptions.

BRYN MAWR COLLEGE.

COLLEGE CALENDAR.

1908.														1909.													
JANUARY.							JULY.							JANUARY.							FEBRUARY.						
Su.	M.	Tu.	W.	Th.	Fr.	Sa.	Su.	M.	Tu.	W.	Th.	Fr.	Sa.	Su.	M.	Tu.	W.	Th.	Fr.	Sa.	Su.	M.	Tu.	W.	Th.	Fr.	Sa.
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The academic year will close with the Conferring of Degrees at eleven o'clock, on June 3rd, 1909.

ACADEMIC YEAR 1908-09.

September 22nd.	Matriculation examinations begin.
September 28th.	Registration of students. Halls of Residence open for students at three p. m.
September 29th.	Registration of students. Matriculation examinations end.
September 30th.	The work of the twenty-fourth academic year begins at a quarter to nine o'clock.
October 1st.	Examinations for advanced standing begin.
October 23rd.	Examinations for advanced standing end.
October 24th.	Senior oral examination in French.
October 31st.	Senior oral examination in German.
November 16th	Private reading examinations begin. Collegiate and matriculation condition examinations begin.
November 20th.	Private reading examinations end.
November 24th.	Collegiate and matriculation condition examinations end.
November 25th.	Thanksgiving vacation begins at one o'clock.
November 30th.	Thanksgiving vacation ends at nine o'clock.
December 5th.	Senior oral examination in French and German.
December 22nd.	Christmas vacation begins at one o'clock.
January 6th.	Christmas vacation ends at nine o'clock.
January 11th.	Private reading examinations begin.
January 15th.	Private reading examinations end.
January 20th.	Half-yearly collegiate examinations begin.
January 26th.	Matriculation examinations begin for candidates intending to enter the college at the half-year.
January 30th.	Matriculation examinations end.
February 1st.	Collegiate examinations end. Vacation.
February 2nd.	Vacation.
February 3rd.	The work of the second semester begins at a quarter to nine o'clock.
February 4th.	Examinations for advanced standing begin.
February 25th.	Examinations for advanced standing end.
March 15th.	Private reading examinations begin.
March 19th.	Private reading examinations end.
March 20th.	Senior oral examinations in French and German.
March 29th.	Collegiate and matriculation condition examinations begin.
April 6th.	Collegiate and matriculation condition examinations end.
April 7th.	Easter vacation begins at one o'clock.
April 15th.	Easter vacation ends at nine o'clock.
May 1st.	May Day Celebration.
May 8th.	Senior oral examinations in French and German.
May 10th.	Private reading examinations begin.

May 14th.	Private reading examinations end.
May 18th.	Vacation.
May 19th.	Collegiate examinations begin.
May 28th.	Matriculation examinations begin.
May 29th.	Collegiate examinations end.
June 3rd.	Matriculation examinations end.
	Conferring of degrees and close of twenty-fourth academic year.

ACADEMIC YEAR, 1909-10.

September 21st.	Matriculation examinations begin.
September 27th.	Registration of students. Halls of Residence open for students at three p. m.
September 28th.	Registration of students.
	Matriculation examinations end.
September 29th.	The work of the twenty-fifth academic year begins at a quarter to nine o'clock.

CORPORATION.

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Treasurer.

EDWARD BETTLE, JR.,
Secretary.

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RUFUS M. JONES.

ALBERT K. SMILEY.

ALEXANDER C. WOOD.

EDWARD BETTLE, JR.

M. CAREY THOMAS.

HOWARD COMFORT.

FRANCIS R. COPE, JR.

JUSTUS C. STRAWBRIDGE.

ASA S. WING.

JAMES WOOD.

CHARLES J. RHODS.

THOMAS RAEBURN WHITE.

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HOWARD COMFORT.

ANNIE CROSBY EMERY ALLINSON.

JUSTUS C. STRAWBRIDGE.

ELIZABETH BUTLER KIRKBRIDE.

JAMES WOOD.

ASA S. WING.

RUFUS M. JONES.

CHARLES J. RHODS.

ALEXANDER C. WOOD.

THOMAS RAEBURN WHITE.

OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1907-08.

*President,*M. CAREY THOMAS, PH.D., LL.D.
Office: Taylor Hall.*Assistant to the President,*ISABEL MADDISON, B.Sc., PH.D.
Office: Taylor Hall.*Dean of the College,*MARION REILLY, A.B.
Office: The Library.*Wardens and Assistant Advisers to the Freshman Class,*

MARTHA GIBBONS THOMAS, A.B., Pembroke Hall.

ALICE ANTHONY, A.B., Denbigh Hall.

VIRGINIA TRYON STODDARD, A.B., Radnor Hall:

ELIZABETH FARRIS STODDARD, A.B., Merion Hall.

HARRIET JEAN CRAWFORD, A.B., Rockefeller Hall.

BERTHA MARGARET LAWS, A.B., Pembroke Hall.

Secretary,

ANNA BELL LAWTHOR, A.B. Office: Taylor Hall.

Recording and Appointment Secretary,

ETHEL MCCOY WALKER, A.M. Office: Taylor Hall.

Acting Librarian,

MARY LETITIA JONES, B.L., B.L.S. Office: The Library.

Director of Athletics and Gymnastics,

CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

Comptroller,

JAMES G. FORRESTER. Office: Taylor Hall.

Business Manager,

ALEXANDER H. CAMPBELL. Office: Taylor Hall.

Junior Bursar,

BESSIE LIVINGSTONE. Office: Taylor Hall.

*Visiting Physician of the College.*ELLA B. EVERITT, M.D. Office hours, daily, 10 to 12, 1807 Spruce Street,
Philadelphia; Bryn Mawr College Gymnasium, Mondays and Thurs-
days, 4 to 6.*Attending Physician of the College.*THOMAS F. BRANSON, M.D. Office hours, daily, 8 to 9.30 and 2 to 3,
Rosemont, Penna.

ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1907-08.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zürich, 1882; Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

CHARLOTTE ANGAS SCOTT, D.Sc., *Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., *Professor of Biblical Literature and Semitic Languages*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885-86; Harvard University, 1888-91; Thayer Scholar, Harvard University, 1889-91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891; Director of the American School of Oriental Study and Research in Palestine, 1902-03.

JOSEPH W. WARREN, M.D., *Associate Professor of Physiology.*

A.B., Harvard College, 1871; University of Berlin, 1871-72; University of Leipsic, 1872-73; University of Bonn, 1873-79; M.D., University of Bonn, 1880; Assistant and Instructor in Physiology, Harvard Medical School, 1881-91; Lecturer in Medical Department of the University of the City of New York, 1885-86; Lecturer in Physiology, University of Michigan, 1889.

ELMER P. KOHLER, PH.D., *Professor of Chemistry.*

A.B., Muhlenberg College, 1886, and A.M., 1889; Johns Hopkins University, 1889-91; Fellow in Chemistry, Johns Hopkins University, 1891-92; Ph.D., Johns Hopkins University, 1892.

FLORENCE BASCOM, PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887; Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893; Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

ISABEL MADDISON, B.Sc., PH.D., *Assistant to the President and Associate in Mathematics.*

Reading, England. B.Sc., University of London, 1893, Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship, and Student in Mathematics, University of Göttingen, 1894-95.

WILMER CAVE WRIGHT, PH.D., *Associate Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888-92; Classical Tripos, 1892; Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Ph.D., University of Chicago, 1895; Reader in Greek and Latin, University of Chicago, 1895-96.

JAMES H. LEUBA,* PH.D., *Professor of Psychology and Education and Director of the Psychological Laboratory.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.B., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-93; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

* Granted leave of absence for the year 1907-08.

FONGER DEHAAN, PH.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94; Assistant in Romance Languages, Johns Hopkins University, 1893-95; Instructor in Romance Languages, Johns Hopkins University, 1895-96; Associate in Romance Languages, Johns Hopkins University, 1896-97.

ALBERT SCHINZ, PH.D., *Associate Professor of French Literature.*

Neuchâtel, Switzerland. A.B., University of Neuchâtel, 1888, and A.M., 1889. Licentiate in Theology, 1892; Student, University of Berlin, 1892-93; University of Tübingen, 1893; Ph.D., University of Tübingen, 1894; Sorbonne and Collège de France, 1894; Privatdocent, University of Neuchâtel, 1896-97; Instructor in French, Clark University, 1897-98; Instructor in French, University of Minnesota, 1898-99.

ARTHUR LESLIE WHEELER, PH.D., *Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896; Instructor and Tutor in Latin, Yale College, 1894-1900.

LUCIEN FOULET, *Professor of French Literature.*

Saint Laurent d'Oingt, Rhône, France. Licencié ès Lettres, University of Paris, 1896; Ecole normale supérieure and the Sorbonne, 1896-97; University of Cambridge, England, and University College, London, 1898; Licencié d'Anglais, University of Paris, 1898; Ecole normale supérieure and the Sorbonne, 1899.

HENRY NEVILL SANDERS, PH.D., *Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903; Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

WILLIAM B. HUFF, PH.D., *Associate Professor of Physics.*

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900; Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

WILLIAM ROY SMITH, PH.D., *Associate Professor of History.*

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903; Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

J. EDMUND WRIGHT, M.A., *Associate Professor of Mathematics.*

Liverpool, England. Graduate in Honours (Senior Wrangler) in the Cambridge Mathematical Tripos, 1900, and First Division, First Class, Mathematical Tripos, Part II, 1901; Smith's Prizeman, 1902; Fellow of Trinity College, University of Cambridge, England.

LUCY MARTIN DONNELLY, A.B., *Lecturer in English.*

A.B., Bryn Mawr College. 1893; University of Oxford, England, and University of Leipsic, 1893-94, Sorbonne and Collège de France, and University of Leipsic, 1894-95.

CLARENCE CARROLL CLARK, PH.D., *Associate Professor of English.*

A.B., Johns Hopkins University, 1896; Ph.D., Yale University, 1903; Scholar in Romance Languages, Johns Hopkins University, 1896-97; Instructor in Modern Languages, Toledo, Ohio, 1897-99; Scholar in English, Yale University, 1901-02; Student in Oxford, Cambridge, and Berlin, 1902-03.

KARL DETLEV JESSEN, PH.D., *Associate in German Literature.*

Winnemark, Schleswig-Holstein, Germany. A.B., University of Chicago, 1896, and Fellow in German, 1897-98; Ph.D., University of Berlin, 1901; University of Chicago, 1895-98; University of Kiel, 1899; University of Berlin, 1898-99, 1899-1901; Acting Professor of Modern Languages, Eureka College, 1896; Instructor in German, Iowa State University, 1897; Instructor in German, Harvard University, 1901-03, and Lecturer on German Literature and Aesthetics, 1904.

TENNEY FRANK, PH.D., *Associate in Latin.*

A.B., University of Kansas, 1898, and A.M., 1899; Ph.D., University of Chicago, 1903; Fellow, University of Chicago, 1899-1901; Assistant and Associate in Latin, University of Chicago, 1901-04.

DAVID HILT TENNENT, PH.D., *Associate Professor of Biology.*

S.B., Olivet College, 1900; Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904; Ph.D., Johns Hopkins University, 1904.

NETTIE MARIA STEVENS, PH.D., *Associate in Experimental Morphology.*

A.B., Leland Stanford, Jr., University, 1899, and A.M., 1900; Ph.D., Bryn Mawr College, 1903. Student in Hopkins Seaside Laboratory, Pacific Grove, Summer, 1897; 1898, 1899, and 1900; Graduate Scholar in Biology, Bryn Mawr College, 1900-01; Holder of the President's European Fellowship, and Student, Zoological Station, Naples, and University of Würzburg, 1901-02; Fellow in Biology, Bryn Mawr College, 1902-03, and Research Fellow in Biology, 1903-04; Carnegie Research Assistant, 1904-05.

CARLETON FAIRCHILD BROWN, PH.D., *Associate Professor of English Philology.*

A.B., Carleton College, 1888; A.M., Harvard University, 1901, and Ph.D. 1903. Shattuck Scholar, Harvard University, 1901-03; Instructor in English, Harvard University, 1903-05.

CAROLINE LOUISE RANSOM PH.D., *Associate in the History of Art and Classical Archaeology.*

A.B., Mt. Holyoke College, 1896; A.M., University of Chicago, 1900 and Ph.D., 1905; Fellow, University of Chicago, 1898-99, 1903-05; Student in Berlin, London, Paris and Athens, 1900-03.

JAMES BARNES, PH.D., *Associate in Physics.*

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06.

RICHARD THAYER HOLBROOK, PH.D., *Associate in French Philology and Italian.*

A.B., Yale University, 1893; Ph.D., Columbia University, 1902. Sorbonne, Collège de France, Ecole des Chartes, 1893-94, 1895-96; Student in Italy and University of Berlin, 1894-95; Student in Spain, 1901; Tutor in the Romance Languages and Literatures, Yale University, 1896-1901, and Columbia University, 1902-06.

ROBERT MATTESON JOHNSTON, M.A., *Associate Professor of History.*

B.A., University of Cambridge, 1889, and M.A., 1900. Lecturer in History, Harvard University, 1904-07; Mt. Holyoke College, 1904-06; Simmons College, 1905-06.

THEODORE DE LEO DE LAGUNA, PH.D., *Associate Professor of Philosophy.*

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

CHARLES CLARENCE WILLIAMSON, PH.D., *Associate in Economics and Politics.*

A.B., Western Reserve University, 1904; Ph.D., Columbia University, 1907. Assistant in Economics and Graduate Student, Western Reserve University, First Semester, 1904-05; Scholar in Political Economy, University of Wisconsin, 1904-05; Graduate Student, University of Wisconsin, 1905-06; University Fellow in Political Economy, Columbia University, 1906-07; Research Assistant of the Carnegie Institution, 1905-07.

GEORGE SHANNON FORBES, PH.D., *Associate in Chemistry.*

A.B., Harvard University, 1902, A.M., 1904, and Ph.D., 1905. Lecturer in Physical Chemistry, Harvard University, 1905-06; John Harvard Fellow, and Student in the University of Berlin, 1906-07.

DANIEL WEBSTER OHERN, PH.D., *Associate in Geology.*

A.B., Drake University, 1898; A.M., University of West Virginia, 1899; Ph.D., Johns Hopkins University, 1907. Assistant in Greek, University of West Virginia, 1899-1901, and Instructor in Greek, 1901-03; Assistant in Geology, Johns Hopkins University, 1903-05; Scholar in Geology, 1905-06, and Fellow in Geology, 1906-07.

HANS WEYHE, PH.D., *Associate in German.*

Dessau, Germany. Ph.D., University of Leipsic, 1903; University of Munich, 1897; University of Leipsic, 1897-99; University of Berlin, 1899-1901.

MARION REILLY, A.B., *Dean of the College and Reader in Philosophy.*

A.B., Bryn Mawr College, 1901; Graduate Student, Bryn Mawr College, 1901-02, 1903, 1903-06; Newnham College, University of Cambridge, Spring, 1907.

CLARENCE ERROL FERREE, A.M., M.S., *Lecturer in Psychology.*

B. S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

CLARENCE D. ASHLEY, LL.M., LL. D., J.D., *Non-Resident Lecturer in Law.*

A.B., Yale University, 1873; University of Berlin, 1876-78; LL.B., Columbia University, 1880; J.D., New York University, 1903; Professor of Law, Metropolis Law School, 1891-95; Professor of Law, New York University, 1895-1903; Vice-Dean of the Faculty of Law in charge of the Evening Division of the Law Department of New York University, 1895-96; Dean of the Faculty of Law, New York University, 1896-1908.

SAMUEL ARTHUR KING, M.A., *Non-Resident Lecturer in Elocution.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Elocution, Johns Hopkins University, 1901; Special Lecturer in Elocution, University of California, 1902.

ROSE CHAMBERLIN, M.A., *Reader in German.*

Great Yarmouth, England. M.A., Trinity College, Dublin, 1905; Graduate in Honours, Newnham College, University of Cambridge, England, 1886 (Mediaeval and Modern Languages Tripos, First Class).

HARRIET RANDOLPH, Ph.D., *Demonstrator in Biology and Reader in Botany.*

A.B., Bryn Mawr College, 1889; Fellow in Biology, Bryn Mawr College, 1889-90; University of Zürich, 1890-92; Ph.D., University of Zürich, 1892.

KATHARINE FULLERTON, A.M., *Reader in English.*

A.B., Radcliffe College, 1900, and A.M., 1901.

REGINA KATHARINE CRANDALL, Ph.D., *Reader in English.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

ORIE LATHAM HATCHER, Ph.D., *Reader in English.*

A.B., Vassar College, 1888. Ph.D., University of Chicago, 1903. Graduate Student, University of Chicago, 1901-03, and Fellow in English, 1903-04.

GEORGIANA GODDARD KING, A.M., *Reader in English.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98. Collège de France, First Semester, 1898-99.

ABBY KIRK, A.B., *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98.

MARION PARRIS, A.B., *Reader in Economics and Politics.*

A.B., Bryn Mawr College, 1901. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

HELEN WARD, A.B., *Reader in English.*

A.B., Radcliffe College, 1900. Graduate Student in English, Radcliffe College, 1902-04.

BERTHA MARION PILLSBURY, A.M., *Reader in English.*

A.B., University of Illinois, 1895; A.M., Radcliffe College, 1898. Radcliffe College, 1896-98, 1906-07. Instructor in English, University of Illinois, 1904-06.

GRACE MAXWELL FERNALD, Ph.D., *Reader in Education and Demonstrator in Psychology.*

A.B., Mt. Holyoke College, 1903, and A.M., 1905; Ph.D., University of Chicago, 1907. Mt. Holyoke College, 1903-04; Graduate Scholar, Bryn Mawr College, 1904-06; Fellow in Psychology, University of Chicago, 1906-07.

MAUD DOWNING, A.B., *Reader in Semitic Languages.*

A.B., University of Toronto, 1902. Graduate Student, University of Toronto, 1902-03; Graduate Scholar, Bryn Mawr College, 1903-07.

GRACE MEAD ANDRUS DE LAGUNA, Ph.D., *Reader in Philosophy.*

A.B., Cornell University, 1903, and Ph.D., 1906. Sage Scholar in Philosophy, Cornell University, 1903-05; Alice Freeman Palmer Fellow of Wellesley College, 1905-06.

CLARA LEONORA NICOLAY, Ph.D., *Reader in Elementary French.*

Berlin, Germany. L.L.A., St. Andrew's University, 1900; A.M., University of Pennsylvania, 1901, and Ph.D., 1907. University College, Nottingham, England, 1892-97. Student in France and Germany, 1903.

BERTHA CORNELIA NORRIS, A.B., *Reader in Latin.*

A.B., Bryn Mawr College, 1904.

FRANCES LOWATER, B.Sc., Ph.D., *Demonstrator in Physics.*

Nottingham, England. B.Sc., University of London, 1900; Ph.D., Bryn Mawr College, 1906; University College, Nottingham, 1888-91, 1892-93; Newnham College, University of Cambridge, England, 1891-92; Fellow in Physics, Bryn Mawr College, 1896-97, and Graduate Scholar in Physics, 1897-98; Secretary of Bryn Mawr College, 1898-99.

GERTRUDE LANGDEN HERITAGE, A.M., *Demonstrator in Chemistry.*

A.B., Bryn Mawr College, 1896, and A.M., 1899. Graduate Student in Chemistry, Bryn Mawr College, 1896-97, 1898-1900, and Graduate Student in Mathematics and Chemistry, 1897-98.

UNA McMAHAN, A.B., *Demonstrator in History of Art and Classical Archæology.*

A.B., Smith College, 1894. Graduate Student in Greek and Classical Archæology, University of Chicago, 1894-95, 1896-99; University of Berlin, 1900-01; American School of Classical Studies, Rome, 1902-04; Studied in Oxford, 1906, 1907.

ANNA BELL LAWTHER, *Secretary of the College.*

A.B., Bryn Mawr College, 1897. Assistant Bursar, Bryn Mawr College, 1898-1900; Graduate Student, Bryn Mawr College, 1898-99, 1904-05; Warden of Merion Hall, 1904, 1904-05.

ETHEL MCCOY WALKER, A.M., *Recording Secretary and Appointment Secretary.*

A.B., Bryn Mawr College, 1894, and A.M., 1904. Graduate Scholar in Archæology, Bryn Mawr College, 1902-04; Recording Secretary, 1904-06, and Appointment Secretary, 1905-07.

ISADORE GILBERT MUDGE,* Ph.B., B.L.S., *Librarian.*

Ph.B., Cornell University, 1897. B.L.S., New York State Library School, 1900. Reference Librarian and Assistant Professor of Library Economy, University of Illinois, 1900-03.

MARY LETITIA JONES, B.L., B.L.S., *Acting Librarian.*

B.L., University of Nebraska, 1885; B.L.S., New York State Library School, 1902. Acting Librarian and Adjunct Professor of Bibliography, University of Nebraska, 1892-97; Librarian and Assistant Professor of Library Economy, University of Illinois, 1897; Classifier, Iowa State University, 1898; Second Assistant Librarian, Los Angeles Public Library, 1898-99 and Librarian, 1900-05.

EDNA LUCY GOSS, B.L.S., *Head Cataloguer.*

B.L.S., University of Illinois, 1902. Reference Assistant, Library of the University of Illinois, 1902-03; Cataloguer, Library of the University of California, 1903-05; Librarian, Illinois State Laboratory of Natural History, 1905-06.

MARIAN CINDERELLA BELL, A.B., B.L.S., *Assistant Cataloguer.*

A.B., University of Nebraska, 1904; B.L.S., University of Illinois, 1906. Assistant in School of Education Library, University of Chicago, Summer, 1906.

BESSIE HOMER JENNINGS, *Special Cataloguer.*

Graduate, Drexel Institute Library School, 1900.

CONSTANCE M. K. APPLEBEE, *Director of Athletics and Gymnastics.*

EMMA ISABELLA Sisson, *Assistant Director of Athletics and Gymnastics.*

MARY WARREN TAYLOR, *Keeper of Gymnastic Records.*

* Granted leave of absence for the year 1907-08.

ELLA B. EVERITT, M.D., *Visiting Physician of the College.*

THOMAS F. BRANSON, M.D., *Attending Physician of the College.*

JOHN H. MUSSER, M.D., *Consultant Physician in Cardiac Cases.*

GEORGE DE SCHWEINITZ, M.D., *Consultant Oculist.*

HELEN MURPHY, M.D., *Examining Oculist.*

The Academic Committee of the Alumnae.

ELIZABETH WINSOR PEARSON, A.B. (Mrs. Henry Greenleaf Pearson),
Chairman, Dudley Road, Newton Centre, MASS.

ELEANOR LOUISA LORD, PH.D., *Secretary, Woman's College of Baltimore, BALTIMORE, MD.*

EVANGELINE WALKER ANDREWS, A.B., (Mrs. Charles McLean Andrews)
(ex-officio), 1527 Bolton Street, BALTIMORE, MD.

LOUISE SHEFFIELD BROWNELL SAUNDERS, A.B. (Mrs. Arthur Percy
Saunders), *Clinton, NEW YORK.*

NELLIE NEILSON, PH.D., *Mt. Holyoke College, SOUTH HADLEY, MASS.*

RUTH WADSWORTH FURNESS PORTER, A.B. (Mrs. James Foster Porter),
HUBBARD WOODS, ILL.

EVELYN WALKER, A.B., *119 Park Street, BROOKLINE, MASS.*

VIRGINIA RAGSDALE, PH.D., *BRYN MAWR, PA.*

Honorary Corresponding Secretaries.

The following honorary corresponding secretaries, all of whom are graduates of Bryn Mawr College, have kindly consented to act as representatives of the college in the cities in which they live, and will at any time be glad to answer questions about the college:

NEW YORK CITY: MISS EMILY REDMOND CROSS, *6 Washington Square.*

PHILADELPHIA: MRS. ADOLPH E. BORIE, *1012 Spruce Street.*

BALTIMORE: MRS. ANTHONY MORRIS CAREY, *1004 Cathedral Street.*

SYRACUSE, N. Y.: MRS. JOHN DEY, *213 Highland Avenue.*

PITTSBURGH, PA.: MRS. JOHN BRUCE ORR, *5443 Penn Avenue.*

SCRANTON, PA.: MISS ALICE BELIN.

PROVIDENCE, R. I.: MISS LOUISE BUFFUM CONGDON, *87 Cooke Street.*

NEW HAVEN, CONN.: MISS ELIZABETH DAY SEYMOUR, *34 Hillhouse Avenue.*

BOSTON, MASS.: MRS. INGERSOLL BOWDITCH, *19 Buckingham Street, Cambridge.*

FALL RIVER, MASS.: MRS. RANDALL NELSON DUFFEE, *435 Cherry Street.*

WINSTON, N. C.: MISS CARO FRIES BUXTON, 520 *Summit Street*.

CHICAGO, ILL.: MISS ETHEL EUGENIE HOOPER, 10 *Astor Street*.

INDIANAPOLIS, IND.: MRS. FRANK NICHOLS LEWIS, 4 *West St. Joe Street*.

MADISON, WIS.: MRS. MOSES STEPHEN SLAUGHTER, 633 *Francis Street*.

SALT LAKE CITY, UTAH: MISS KATE WILLIAMS, C/o Mr. P. L. Williams.

UTICA, N. Y.: MRS. ARTHUR PERCY SAUNDERS, *Clinton, N. Y.*

ENGLAND: THE HON. MRS. BERTRAND RUSSELL, *Bagley Wood, Oxford*.

MRS. HARRY MARTINEAU FLETCHER 10 *Lincoln's Inn Fields, London, W. C.*

STUDENTS.

Fellows and Graduate Students, Academic Year, 1907-08.

HILL, VIRGINIA GREER,

Holder of the Bryn Mawr European Fellowship.

Philadelphia, Pa. A.B., Bryn Mawr College, 1907. Student, University of Zürich, 1907-08.

BORING, ALICE MIDDLETON,

Holder of the Mary E. Garrett European Fellowship.

Philadelphia, Pa. A.B., Bryn Mawr College, 1904, and A.M., 1905. Graduate Scholar in Biology, and Assistant in the Biological Laboratory, Bryn Mawr College, 1904-05; Moore Fellow in Zoology, University of Pennsylvania, 1905-06; Fellow in Biology, Bryn Mawr College, 1906-07; Instructor in Zoology, Vassar College, 1907-08.

HARMON, ESTHER, .. *Holder of the President's European Fellowship.*

Toledo, O. A.B., University of Michigan, 1906. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1906-07; Student, University of Berlin, 1907-08.

WEUSTHOFF, ANNA SOPHIE,

Holder of Special Ottendorfer Memorial Research Fellowship in Teutonic Philology.

New York City. A.B., Woman's College of Baltimore, 1906. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1906-07; Student, University of Berlin, 1907-08.

BURNLEY, MARY CLOYD, *Holder of Research Fellowship in Chemistry.*

Swarthmore, Pa. A.B., Woman's College of Baltimore, 1897, and A.M., 1899. Fellow in Chemistry, Bryn Mawr College, 1897-98; Assistant in Chemistry, Vassar College, 1898-1900, and Instructor in Chemistry, 1900-08.

SWINDLER, MARY, ... *Fellow in Greek.*

Bloomington, Ind. A.B., University of Indiana, 1905, and A.M., 1906. Graduate Scholar in Greek, Bryn Mawr College, 1906-07.

TAYLOR, LILY ROSS, ... *Fellow in Latin.*

Madison, Wis. A.B., University of Wisconsin, 1906. Graduate Scholar in Latin, Bryn Mawr College, 1906-07.

PEEBLES, ROSE JEFFRIES, ... *Fellow in English.*

Birmingham, Ala. A.B., Mississippi State College for Women, 1891. University of Chicago, Summer, 1897, 1898, 1905; Harvard University, Summer, 1902; Columbia University, Summer, 1903; Graduate Student in English, Bryn Mawr College, 1906-07.

WHITE, FLORENCE DONNELL, ... *Fellow in French.*

Bangor, Me. A.B., Mt. Holyoke College, 1903, and A.M., 1907. Student, University of Paris, 1903-04; Graduate Scholar in Romance Languages, Bryn Mawr College, 1906-07.

MORRIS, MARGARET SHORE, ... *Fellow in History.*

Baltimore, Md. A.B., Woman's College of Baltimore, 1904. Holder of Foundation Scholarship, Bryn Mawr College, 1904-06; Holder of the Alumnae Fellowship of the Woman's College of Baltimore and Research Student at the Public Record Office, London, 1906-07.

COOPER, ELVA, ... *Fellow in Mathematics.*

Milwaukee, Wis. A.B., University of Wisconsin, 1904, and A.M., 1906. Student in Mathematics, University of Wisconsin, 1905-06; Graduate Scholar in Mathematics, University of Wisconsin, and Teacher of Mathematics in the High School, Madison, Wis., 1906-07.

- HAHN, DOROTHY ANNA, ...*Fellow in Chemistry.*
Philadelphia, Pa. A.B., Bryn Mawr College, 1899. Professor of Chemistry and Biology, Pennsylvania College for Women, Pittsburgh, Pa., 1899-1906; Professor of Biology, Kindergarten College, Pittsburgh, 1904-06; Student, University of Leipsic, 1906-07.
- ALBERT, GRACE, ...*History.*
Wynnewood, Pa. A.B., Bryn Mawr College, 1897. Private Tutor, 1897-99; Teacher in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1901, and 1905-08; Secretary, 1901-02; Graduate Student, Bryn Mawr College, 1901-02, and 1904-08; Graduate Scholar in History and Economics and Politics, 1902-03; Fellow in History and Student, University of London; engaged in research work in the Public Records Office, London, and in the University of Oxford, 1903-04.
- ALLEN, JANE, ...*English.*
Philadelphia, Pa. A.B., Bryn Mawr College, 1904. Assistant Instructor in English, Swarthmore College, 1904-05, and Reader in English, 1906-08.
- AMBRISTER, MAUD, ...*English and Philosophy.*
Norman, Okla. A.B., Oklahoma University, 1905.
- AVEN, ANNA WARD, ...*Graduate Scholar in Latin.*
Clinton, Miss. A.B., Mississippi College, 1905; Graduate Student in Greek and Latin, Bryn Mawr College, 1906-07.
- BECKWITH,* M. ETHELWYNNE RICE, ...*Mathematics.*
Bryn Mawr, Pa. Oahu College, Honolulu, 1893-96; Oberlin College, 1896-98, 1899-1900; Ph.B., Oberlin College, 1900. Bryn Mawr College, 1898-99. Teacher of Mathematics in the Maunaloa Seminary, Paia, Maui, Hawaii, 1901-02; Principal of Private School, Wailuku, Maui, 1902-03; Teacher in the Emma Willard School, Troy, N. Y., 1906-07.
- BECKWITH, MINNIE ADA, ...*Greek.*
Bryn Mawr, Pa. A.B., University of Chicago, 1902. Graduate Scholar, University of Chicago, 1902-03; Fellow in Latin, Bryn Mawr College, 1903-04; Teacher of Latin and Greek in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1904-08.
- BROWNELL, HARRIET MATHER, ...*Archæology.*
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1896. Teacher of Latin, Greek, and Mathematics in the Passaic Collegiate School, Passaic, N. J., 1896-99, and Teacher of Greek and Latin, 1899-1905; Student in Latin and Archæology, University of Munich, and American School of Classical Studies, Rome, 1905-06; Teacher of Latin in the Holman School, Philadelphia, Pa., 1906-08.
- BRUSSTAR, MARGARET ELIZABETH, *Graduate Scholar in Mathematics.*
Birdsboro, Pa. A.B., Bryn Mawr College, 1903. Teacher of Latin and Mathematics, Miss Gleim's School, Pittsburgh, Pa., 1903-04; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1904-08.
- BUNKER, MARIE, ...*French.*
Overbrook, Pa. A.B., Bryn Mawr College, 1907.
- CHASE, JOSEPHINE ALZAIDA, ...*English.*
Westdale, Mass. A.B., Boston University, 1898, and A.M., 1900. Private Secretary, 1907-08.
- COULTER, CORNELIA CATLIN, ...*Graduate Scholar in Latin.*
Ferguson, Mo. A.B., Washington University, 1907.
- COYLE, MARGARET HILDEGARDE, ...*History.*
Philadelphia, Pa. A.B., Bryn Mawr College, 1906.
- CRAWFORD, EMILY C., ...*Graduate Scholar in Greek.*
Montreal, Canada. A.B., McGill University, 1907.

*Mrs. William F. Beckwith.

- CURTIS, MARGARET, ... *Graduate Scholar in Spanish*.
New Haven, Conn. A.B., Smith College, 1907.
- DOWNING, MAUD, ... *Semitic Languages and Teutonic Philology*.
Fournier, Ontario, Canada. A.B., University of Toronto, 1902; Graduate Student, University of Toronto, 1902-03; Graduate Scholar in Psychology, Bryn Mawr College, 1903-04; and in Semitic Languages, 1904-07, and Reader in Semitic Languages, 1907-08.
- EDWARDS, ALMA TAYLOR, ... *Latin, English, and Philosophy*.
Columbia, S. C. A.B., Guilford College, 1907. Holder of the Guilford Graduate Scholarship, Bryn Mawr College, 1907-08.
- FORMAN,* ELIZABETH CHANDLEE, ... *English*.
Ardmore, Pa. A.B., Bryn Mawr College, 1902.
- FRICKE, ELEANOR FRANCES, ... *English*.
Philadelphia, Pa. A.B., Wellesley College, 1907.
- HALL, EDITH HAYWARD, ... *Archæology*.
Woodstock, Conn. A.B., Smith College, 1899. Teacher of Greek and History in Woodstock Academy, Woodstock, 1899-1900; Teacher of Latin and Greek in the Misses Shipley's School, Bryn Mawr, Pa., 1900-01 and 1905-08; Graduate Student, Bryn Mawr College, 1900-01, 1905-07, and Graduate Scholar, 1901-03; Holder of the Mary E. Garrett European Fellowship, 1903-04; Holder of the Agnes Hoppin Memorial Fellowship and Student at the American School of Classical Studies, Athens, 1903-05.
- HEWITT, JESSIE GERMAIN, ... *French and English*.
Burlington, N. J. A.B., Bryn Mawr College, 1906.
- HITCHENS,* ETHEL BENNETT, ... *English*.
Glenolden, Pa. A.B., Bryn Mawr College, 1905, and A.M., 1907. Graduate Student, Bryn Mawr College, 1906-07.
- HOTCHKISS, RUTH, ... *History and Economics and Politics*.
Akron, O. Ph.B., Buchtel College, Akron, 1907.
- HUEBENER, HELEN J., ... *French*.
Lancaster, Pa. A.B., Cornell University, 1899. Graduate Student, Bryn Mawr College, 1904-06, and Graduate Scholar in French, 1906-07.
- JOLLIFFE, RUBY MAUD, ... *Graduate Scholar in English*.
Clinton, Ontario, Canada. A.B., University of Toronto, 1903.
- LAMBERTON, HELEN, ... *Graduate Scholar in Physics*.
Philadelphia, Pa. A.B., Bryn Mawr College, 1907.
- LOWENGRUND, HELEN MOSS, ... *Graduate Scholar in English*.
Philadelphia, Pa. A.B., Bryn Mawr College, 1906, and A.M., 1907. Graduate Scholar in Latin, Bryn Mawr College, 1906-07; Holder of the Bryn Mawr European Fellowship, 1906-07.
- MACRAE, EVELINA, ... *English and History of Art*.
Bryn Mawr, Pa. A.B., Bucknell College, 1882. Graduate Student, Bryn Mawr College, 1906-07.
- MCINTOSH, MARY BENNETT, ... *Graduate Scholar in Greek*.
Alda, Neb. A.B., University of Nebraska, 1907.
- McKEE, MARY CLARISSA, ... *Graduate Scholar in Chemistry*.
Wilksburg, Pa. A.B., Pennsylvania College for Women, 1907.
- MORGAN, LOUISE BAGGOTT, ... *Graduate Scholar in English*.
Providence, R. I. A.B. and A.M., Brown University, 1907.

*Mrs. Horace B. Forman.

*Mrs. Arthur Parker Hitchens.

- MOSER, LILIAN VIRGINIA, . . . *Graduate Scholar in Teutonic Philology*.
Syracuse, N. Y. A.B., Bryn Mawr College, 1893. Student of French and German in Paris and Hanover, 1893-94, and in the Summer, 1900 and 1905. Teacher of Modern Languages in "The Seminary," Clifton Springs, N. Y., 1894-95; Student of Pedagogy, State Normal College, N. Y., 1895-96. P.d.B., State Normal College, 1896. Teacher of French and German in the Grainger Place School, Canandaigua, N. Y., 1896-1905; Graduate Student, Bryn Mawr College, 1905-07, and Teacher of German and French in Miss Wright's School, Bryn Mawr, Pa., 1905-06.
- NEWMAN, CELIA ELIZABETH, ... *Graduate Scholar in Latin*.
Madison, Wis. A.B., University of Wisconsin, 1907.
- NICHOLS, HELEN HAWLEY, .. *Graduate Scholar in Semitic Languages*.
Marietta, O. A.B., Marietta College, 1906. Graduate Student, Bryn Mawr College, 1906-07.
- NUTTING, PHOEBE CUSHING, ... *English and Italian*.
Jersey City, N. J. A.B., Vassar College, 1907.
- ORLADY, EDITH THOMPSON, ... *German and Italian*.
Haverford, Pa. A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, Bryn Mawr College, 1903-06.
- PEEBLES, FLORENCE, ... *Biology*.
Bryn Mawr, Pa. A.B., Woman's College of Baltimore, 1895, and Ph. D., Bryn Mawr College, 1900. Graduate Scholar in Biology, Bryn Mawr College, 1895-96; Fellow in Biology, 1896-97, and Graduate Student, 1897-98, 1903-04, 1906-08; Holder of the Mary E. Garrett European Fellowship, Scholar of the Woman's Table and Student in Biology, Zoological Station, Naples, Universities of Munich and Halle, 1898-99; Instructor in Biology, Woman's College of Baltimore, 1899-1902, and Associate Professor of Biology, 1902-06; Teacher of Science in Miss Wright's School, Bryn Mawr, Pa., 1906-07; Assistant Demonstrator in Biology, Bryn Mawr College, 1907-08; Student, University of Bonn, Summer, 1906.
- RAGSDALE, VIRGINIA, ... *Mathematics*.
Jamestown, N. C. S.B., Guilford College, 1892. Graduate Scholar in Mathematics, Bryn Mawr College, 1892-93, and Graduate Student, Bryn Mawr College, 1893-97. A.B., Bryn Mawr College, 1896, and Ph.D., 1906. Holder of the Bryn Mawr European Fellowship, and Assistant Demonstrator in Physics, Bryn Mawr College, 1896-97; Student, University of Göttingen, 1897-98; Teacher of Science and Mathematics in the Bryn Mawr School, Baltimore, Md., 1898-1900, and Assistant Teacher of Mathematics, 1900-01; Holder of Fellowship of the Baltimore Association for the Promotion of the University Education of Women, Graduate Scholar, and Fellow by Courtesy in Mathematics, Bryn Mawr College, 1901-02; Fellow in Mathematics, Bryn Mawr College, 1902-03; Teacher of Mathematics in Dr. J. Sachs's School for Girls, New York City, 1903-05; Teacher of Mathematics in the Baldwin School, Bryn Mawr, Pa., 1906-08, and Graduate Student, Bryn Mawr College, 1907-08.
- RABOURN, SUSIE McDOWELL WELDON, ... *Graduate Scholar in Latin*.
Centralia, Mo. A.B., University of Missouri, 1902, and A.M., 1905. Graduate Student, University of Missouri, 1904-05.
- RICE, EDITH FLORENCE, ... *Graduate Scholar in Latin*.
Philadelphia, Pa. A.B., Bryn Mawr College, 1907.
- RICHARDS, ANNABELLA ELLIOTT, ... *Chemistry*.
Merion, Pa. A.B., Bryn Mawr College, 1907.
- ROACH, LULU ATHALEE, ... *English and Philosophy*.
Salina, Kans. A.B., Kansas Wesleyan University, 1905.
- ROBERTS, ELIZABETH ELLENWOOD, ... *Graduate Scholar in German*.
Hartford, Conn. A.B., Western Reserve University, 1905. Graduate Scholar in German, Bryn Mawr College, first semester, 1905-06.

- ROWELL, MARY COYNE, ...*German and French*.
London, Ontario, Canada. A.B., Toronto University, 1898.
- SCHAEFFER, HELEN ELIZABETH, ...*Physics*.
Lancaster, Pa. A.B., Dickinson College, 1903. Graduate Scholar in Mathematics, Bryn Mawr College, 1903-04, and Graduate Student in Physics, 1907-08; Fellow in Physics, Bryn Mawr College, 1904-05; Holder of the Mary E. Garrett European Fellowship and Student, University of Göttingen, 1905-06; Demonstrator in Physics, Bryn Mawr College, 1906-07; Teacher in the Baldwin School, Bryn Mawr, Pa., 1907-08.
- SCHMIDT, GERTRUD CHARLOTTE, ...*Teutonic Philology*.
Cambridge, Mass. B.L., University of Wisconsin, 1900. Graduate Student, Radcliffe College, 1900-01, 1902-03; A.M., Radcliffe College, 1903; Assistant in German, Smith College, 1901-02; Graduate Student, Bryn Mawr College, and Teacher of German in Miss Wright's School, Bryn Mawr, Pa., 1903-05, 1906-08; Holder of the President's European Fellowship and Student, University of Leipsic, 1905-06, University of Grenoble, Summer, 1905.
- SCHOFIELD, LOUISE CORNELIA, ...*English and French*.
Providence, R. I. A.B., Brown University, 1907.
- SHEARER, EDNA ASHTON, ...*Philosophy*.
Philadelphia, Pa. A.B., Bryn Mawr College, 1904. Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Holder of the President's Fellowship, and Student, University of Edinburgh, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-08.
- SHOEMAKER, JANE CUSHING, ...*Economics and Politics*.
Philadelphia, Pa. A.B., Bryn Mawr College, 1905.
- SHUTE, FLORENCE LUPTON, ...*Greek and Latin*.
Richmond, Ind. A.B., Earlham College, 1907. Holder of the Earlham Graduate Scholarship, Bryn Mawr College, 1907-08.
- SMITH, CLARA LYFORD, ...*Graduate Scholar in Greek*.
Los Angeles, Cal. A.B., Bryn Mawr College, 1907.
- SMITH, HELEN TWINING, *Graduate Scholar in Economics and Politics*.
Havre de Grace, Md. A.B., Bryn Mawr College, 1907.
- SPALDING, MARY CAROLINE, ...*English*.
Bryn Mawr, Pa. A.B., Vassar College, 1901. Graduate Student, Bryn Mawr College, 1906-07.
- STODDARD, ELIZABETH FARRIS, ...*German and Law*.
Plymouth, Mass. A.B., Bryn Mawr College, 1902. Graduate Student in the Correspondence-Study Department of the University of Chicago, 1904-05; Warden of Merion Hall, and Graduate Student, Bryn Mawr College, 1905-08.
- STODDARD, VIRGINIA TRYON, ...*Mathematics*.
Mt. Holly, N. J. A.B., Bryn Mawr College, 1903. Warden of Radnor Hall and Graduate Student, Bryn Mawr College, 1904-08.
- TOWNS, ROSAMOND FAY, ...*Latin*.
Omaha, Neb. A.B., Penn College, 1907. Holder of the Penn Graduate Scholarship, Bryn Mawr College, 1907-08.
- VAN WAGENER, ELIZABETH MARIE, ...*Physics and Chemistry*.
Pittsburgh, Pa. A.B., Pennsylvania College for Women, 1902, and A.M., 1905. Graduate Student, Bryn Mawr College, 1902-04, 1906-07; Private Tutor, 1905-06.
- WILLIAMSON,* BERTHA TORREY, ...*Economics and Politics*.
Bryn Mawr, Pa. A.B., Western Reserve University, 1899.

*Mrs. Charles Clarence Williamson.

WIEAND, HELEN EMMA, *Graduate Scholar in Latin and Archæology*.
Pottstown, Pa. A.B., Mt. Holyoke College, 1906.

WOOD, ELEANOR, DENSMORE,
Foundation Scholar in Greek and Semitic Languages.

Knightstown, Ind. L.B., Earlham College, 1896. Foundation Scholar, Bryn Mawr College, 1897-99; Principal of Earlham Academy, Earlham, Ind., 1899-1900; Settlement worker, Minneapolis, Minn., 1900-01; Student, University of Chicago, 1902-03; University of Marburg, Winter Semester, 1904-05; Teacher of Greek and Biblical Literature in the George School, George School, Pa., 1905-07; Graduate Student, Bryn Mawr College, 1906-07.

YOUNG, ROSE, ...*History of Art*.
New York City. A.B., Bryn Mawr College, 1907.

Former Holders of European Fellowships.

BALCH, EMILY GREENE, ...Prince Street, Jamaica Plain, Mass.

Holder of the Bryn Mawr European Fellowship, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Latin. Student in Political Science, Conservatoire des Arts et des Métiers, Paris, and under the direction of Professor Emile Levasseur, 1890-91; University of Chicago, 1895; University of Berlin, 1895-96; Member of Board of Trustees for Children of the City of Boston, 1897-98; Assistant in Economics, Wellesley College, 1896-97, Instructor in Economics, 1897-1903, and Associate Professor of Economics and Sociology, 1903-08.

BECKER, AMANDA FREDERICKA, ..5870 Cabanne Avenue, St. Louis, Mo.

Holder of the President's European Fellowship, 1903-04. B.Sc., Missouri State University, 1901, and A.M., 1902. Holder of Teaching Fellowship, Missouri State University, 1901-02; Graduate Scholar, Bryn Mawr College, 1902-03; Student, University of Göttingen, 1903-04; Teacher of Mathematics in the Yeatman High School, St. Louis, Mo., 1904-08.

BILLMEYER, HELEN MAY, ...250 Midland Avenue, Montclair, N. J.

Holder of the Bryn Mawr European Fellowship, 1902-03. A.B., 1902, group, History and Political Science. Student, University of Berlin, 1903-04.

BOURLAND, CAROLINE BROWN, ...Peoria, Ill.

Holder of the Mary E. Garrett European Fellowship, 1900-01. A.B., Smith College, 1893; Ph.D., Bryn Mawr College, 1905, subjects, Spanish, Old French, and Italian. Teacher of French and German in Mrs. Starrett's School, Oak Park, Ill., 1895-96, and in the High School, Peoria, 1896-97; Student, Sorbonne and Collège de France, 1897-98; Fellow in Romance Languages, Bryn Mawr College, 1898-99; Graduate Scholar and Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1899-1900, 1901-02; Student in Romance Languages, Madrid, Spain, 1900-01; Instructor in Spanish and French, Smith College, 1902-06, and Associate Professor, 1906-08.

BREED, MARY BIDWELL, ...Read Hall, Columbia, Mo.

Holder of the Bryn Mawr European Fellowship, 1894-95. A.B., Bryn Mawr College, 1894, group, Chemistry and Biology, A.M., 1895, and Ph.D., 1901, subjects, Chemistry and Mathematics. Graduate Student, and Assistant in the Chemical Laboratory, Bryn Mawr College, 1894-95; Student in Chemistry, University of Heidelberg, 1895-96; Professor of Science, Pennsylvania College for Women, 1897-99; Fellow by Courtesy and Graduate Scholar in Mathematics, Physics, and Chemistry, Bryn Mawr College, 1899-1901; Dean of Women and Assistant Professor of Chemistry, Indiana University, Bloomington, Ind., 1901-06; Adviser of Women, University of Missouri, 1906-08.

BROOKS, HARRIET, ...247 Bishop Street, Montreal, Canada.

Holder of the President's European Fellowship, 1902-03. A.B., McGill University, 1898, and A.M., 1901. Graduate Student, McGill University, 1898-

99; Tutor in Mathematics, and Research Student in Physics, Royal Victoria College, 1899-1901; Fellow in Physics, Bryn Mawr College, 1901-02; Student, University of Cambridge, England, 1902-03; Lecturer in Mathematics, Royal Victoria College of McGill University, Montreal, 1903-04; Tutor in Physics, Barnard College, 1904-06; Research Student, Sorbonne, 1906-07.

Married, 1907, *Mr. Frank H. Pitcher*.

BROWNELL, LOUISE SHEFFIELD, ...Clinton, N. Y.

Holder of the Bryn Mawr European Fellowship, 1893-94. A.B., Bryn Mawr College, 1893, group, Greek and Latin. Student in Greek and English, University of Oxford, England, and University of Leipsic, 1893-94; Graduate Student in Greek, Columbia College, 1894-95, and Graduate Student in English, 1895-96; Graduate Student in Greek and English, Bryn Mawr College, 1896-97; Warden of Sage College, and Lecturer in English Literature, Cornell University, 1897-1900; Head of the Balliol School, Utica, N. Y., 1900-05; Private Tutor, 1905-07.

Married, 1900, *Mr. Arthur Percy Saunders*.

CADY, MARY LOUISE, ...220 Walnut Street, Holyoke, Mass.

Holder of the Mary E. Garrett European Fellowship, 1906-07. A.B. and A.M., Radcliffe College, 1904. Graduate Scholar in Greek, Bryn Mawr College, 1904-05; Fellow in Greek, Bryn Mawr College, 1905-06; Student, University of Berlin, 1906-07; Teacher in the Agnes Scott College, Decatur, Ga., 1907-08.

CLAFLIN, EDITH FRANCES, ...Quincy, Mass.

Holder of the Mary E. Garrett European Fellowship, 1899-1900. A.B., Radcliffe College, 1897; Ph.D., Bryn Mawr College, 1906, subjects, Greek and Latin. Graduate Scholar in Greek and Latin, Bryn Mawr College, 1897-98, and Graduate Student, 1898-99; Student at the American School of Classical Studies, Athens, 1899-1900; Private Research Work, Harvard University Library, 1900-01; Instructor in Literature in the Prospect Hill School, Greenfield, Mass., 1901-02, and in Classics and Classical History, 1902-07; Teacher in Monticello Seminary, Godfrey, Ill., 1907-08.

ELLIS, ELLEN DEBORAH, ...2319 Green Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1901-02. A.B., Bryn Mawr College, 1901, group, History and Political Science, A.M., 1902, and Ph.D., 1905, subjects Economics and Politics and History; Graduate Student, Bryn Mawr College, 1901-02; Fellow in Economics and Politics, 1904-05; Student, University of Leipsic, 1902-03; Instructor in History, Mt. Holyoke College, 1905-08.

EMERY, ANNIE CROSBY, ...163 George Street, Providence, R. I.

Holder of the Bryn Mawr European Fellowship, 1892-93. A.B., Bryn Mawr College, 1892, group, Greek and Latin, and Ph.D., 1896, subjects, Latin and Greek. Graduate Student, Bryn Mawr College, 1892-93; Student, University of Leipsic, 1893-94; Secretary to the President, and Graduate Student, Bryn Mawr College, Second Semester, 1894-95, and 1895-96; Dean of Women and Assistant Professor of Classical Philology, University of Wisconsin, 1897-1900; Dean of the Women's College in Brown University, 1900-05; Alumnae Member of the Board of Directors of Bryn Mawr College, 1906-08.

Married, 1905, *Professor Francis Greenleaf Allinson*.

FLEISHER, ELEANOR LOUIE, 1901 Spring Garden Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1903-04. A.B., Bryn Mawr College, 1903, group, English and German. Graduate Student, Bryn Mawr College, 1903-04; Chairman of Executive Committee, Neighbors' Guild, 1904-06; Graduate Student, Bryn Mawr College, 1906-07.

Married, 1908, *Dr. David Riesman*.

GILES, ELLEN ROSE,

Care of Brown, Shipley & Co., 123 Pall Mall, London, England.

Holder of the President's European Fellowship, 1897-98. Wellesley College, 1892-93. A.B. and A.M., Bryn Mawr College, 1896, group, Greek and Semitic Languages. Graduate Scholar in Semitic Languages, Bryn Mawr College, 1896-97, and Graduate Scholar in Philosophy, 1897-98; Student in Philosophy, University of Berlin, 1898-99, and Sorbonne, 1899; Private Tutor, 1899-1900.

HALL, EDITH HAYWARD, ... Woodstock, Conn.

Holder of the Mary E. Garrett European Fellowship, 1903-04. A.B., Smith College, 1899. Teacher of Greek and History in Woodstock Academy, Woodstock, 1899-1900; Teacher of Latin and Greek in the Misses Shipley's School, Bryn Mawr, Pa., 1900-01 and 1905-08; Graduate Student, Bryn Mawr College, 1900-01, 1905-08, and Graduate Scholar, 1901-03; Holder of the Agnes Hoppin Memorial Fellowship and Student at the American School of Classical Studies, Athens, 1903-05.

HAMILTON, EDITH, ... Fort Wayne, Ind.

Holder of the Mary E. Garrett European Fellowship, 1895-96. A.B. and A.M., Bryn Mawr College, 1894, group, Greek and Latin. Fellow in Latin, Bryn Mawr College, 1894-95. Student, Universities of Leipsic and Munich, 1895-96; Head Mistress of the Bryn Mawr School, Baltimore, Md., 1896-1908.

HAMILTON, MARGARET, ... Fort Wayne, Ind.

Holder of the Bryn Mawr European Fellowship, 1897-98. A.B., Bryn Mawr College, 1897, group, Chemistry and Biology. Sorbonne, 1898-99; Teacher of Science, Bryn Mawr School, Baltimore, Md., 1900-03.

HARDY, CORA, ... 105 East 19th Street, New York City.

Holder of the Bryn Mawr European Fellowship, 1899-1900. A.B., Bryn Mawr College, 1899, group, Latin and French. Student at Sorbonne, Collège de France and University of Oxford, 1899-1900; Teacher of Greek and English in Ward Seminary, Nashville, Tenn., and Graduate Student, Vanderbilt University, 1902-03; Teacher of English and Literature in St. Timothy's School, Catonsville, Md., 1903-06.

Married, 1906, *Mr. Edwin Seton Jarrett*.

LAIRD, ELIZABETH REBECCA,

Mt. Holyoke College, South Hadley, Mass.

Holder of the President's European Fellowship, 1898-99. A.B., University of Toronto, 1896; Ph.D., Bryn Mawr College, 1901, subjects, Physics and Mathematics. Teacher in Ontario Ladies' College, 1896-97; Fellow in Physics, Bryn Mawr College, 1897-98. Student, University of Berlin, 1898-99; Graduate Scholar and Fellow by Courtesy in Mathematics and Physics, Bryn Mawr College, 1900-01; Instructor in Physics, Mount Holyoke College, 1901-03. Acting Head of the Department of Physics, 1903-04, and Professor of Physics, 1904-08.

LANGENBECK, CLARA, ... The Nelson, Walnut Hills, Cincinnati, O.

Holder of the President's European Fellowship, 1896-97. Ph.G., Cincinnati College of Pharmacy, 1890; S.B., University of Cincinnati, 1895. Fellow in Biology, Bryn Mawr College, 1895-96; Student, University of Marburg, 1896-98; Professor of Biology, Wells College, 1898-1901; Instructor in the Cincinnati College Preparatory School for Girls, 1901-06.

LEFTWICH, FLORENCE, ... Biltmore, N. C.

Holder of the Bryn Mawr European Fellowship, 1895-96. Wellesley College, 1884-85. A.B., Bryn Mawr College, 1895, group, Greek and Latin, and Ph.D., 1906, subjects, Old French, Latin, and Spanish. Student, Sorbonne and Collège de France, 1895-96; Mistress of Modern Languages, Mississippi Industrial Institute and College, Columbus, Miss., 1896-98; Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1898-99; Holder of the European Fellowship of the Baltimore Association for the Promotion of the University Education of Women, and Student, University of Zürich, 1899-1900; Teacher of French in the Bryn Mawr School, Baltimore, Md., 1900-01; Graduate Student, Bryn Mawr College, 1902; Fellow in Romance Languages, Bryn Mawr College, 1902-03.

Married, 1903, *Mr. S. Prioleau Ravenel*.

LEWIS, FLORENCE PARTHENIA, ... Austin, Tex.

Holder of the President's European Fellowship, 1899-1900. A.B., University of Texas, 1897, and A.M., 1898. Fellow in Philosophy, Bryn Mawr College, 1898-99; Student, Sorbonne and Collège de France, 1899-1900; Teacher in the University Preparatory School, Austin, 1900-02; Student, University of Texas, 1901-03; Tutor in Mathematics, University of Texas, 1902-05; Fellow of the Baltimore Association for the Promotion of the University Education of Women, and Graduate Student, Johns Hopkins University, 1907-08.

LOWENGRUND, HELEN MOSS, ...1827 North 18th Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1906-07. A.B., Bryn Mawr College, 1906, group, Latin and English, and A.M., 1907. Graduate Scholar in Latin, Bryn Mawr College, 1906-07, and Graduate Scholar in English, 1907-08.

MADDISON, ISABEL, ...Bryn Mawr, Pa.

Holder of the Mary E. Garrett European Fellowship, 1894-95. University College of South Wales and Monmouthshire, 1885-89; Girton College, University of Cambridge, England, 1889-92; Mathematical Tripos, First Class, 1892; Oxford Mathematical Final Honour School, 1892; B.Sc., University of London, Mathematical Honours, 1893; Ph.D., Bryn Mawr College, 1896, subjects, Mathematics, Applied Mathematics and Physics; A.B., Trinity College, Dublin, 1905. Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Student in Mathematics, University of Göttingen, 1894-95; Assistant Secretary to the President, Bryn Mawr College, 1895-96; Secretary to the President, and Reader in Mathematics, 1896-1904; Assistant to the President, and Reader in Mathematics, 1904-06, and Assistant to the President and Associate in Mathematics, 1906-08.

MARTIN, EMILIE NORTON, ...Montreat, N. C.

Holder of the Mary E. Garrett European Fellowship, 1897-98. A.B., Bryn Mawr College, 1894, group, Latin and Mathematics, and Ph.D., 1901, subjects, Mathematics and Physics. Graduate Student, Bryn Mawr College, First Semester, 1894-95, 1896-97, 1901-02, 1906-07. Teacher of Latin in the Bryn Mawr School, Baltimore, Md., January-June, 1895; Fellow in Mathematics, Bryn Mawr College, 1895-96; Student, University of Göttingen, 1897-98; Fellow by Courtesy in Mathematics, Bryn Mawr College, 1898-99; Teacher of Mathematics in the Misses Kirk's School, Rosemont, Pa., 1899-1900, and Private Tutor, 1899-1903, 1906-07; Instructor in Mathematics, Mt. Holyoke College, 1903-04, First Semester, 1904-05, 1907-08.

MORSE, KATE NILES, ...24 Park Street, Haverhill, Mass.

Holder of the Mary E. Garrett European Fellowship, 1901-02. A.B., Mt. Holyoke College, 1898, and A.M., 1900. Graduate Student, Bryn Mawr College, 1898-99; Fellow in Greek, Bryn Mawr College, 1900-01; University of Berlin, and American School of Classical Studies, Athens, 1901-02; Graduate Student, Radcliffe College, 1903, 1906-07.

NOWLIN, NADINE, ...42 The Lorraine, Kansas City, Mo.

Holder of the President's European Fellowship, 1906-07. A.B. and A.M., University of Kansas, 1903. Fellow in Biology, Bryn Mawr College, 1905-06; Demonstrator in Biology, University of Kansas, 1906-08.

PARK, MARION EDWARDS, ...Oberlin, O.

Holder of the Bryn Mawr European Fellowship, 1898-99. A.B., Bryn Mawr College, 1898, group, Greek and English, and A.M., 1899. Graduate Student, Bryn Mawr College, 1898-99; Graduate Student, Autumn Quarter, University of Chicago, 1900-01; American School of Classical Studies, Athens, Greece, 1901-02; Instructor in Classics, Colorado College, 1902-03, 1904-06, and Acting Dean of Women, 1903-04; Teacher of English in Miss Wheeler's School, Providence, R. I., 1906-07, and of Classics, 1907-08.

PARRIS, MARION, ...267 West 79th Street, New York City.

Holder of Bryn Mawr College Research Fellowship, 1906-07. A.B., Bryn Mawr College, 1901, group, History and Political Science. Private Tutor, 1901-02; Warden of Summit Grove, Bryn Mawr College, 1902-04, and of Rockefeller Hall, 1904-05; Graduate Student, Bryn Mawr College, 1902-05; Fellow in Economics, Bryn Mawr College, 1905-06; Student, University of Vienna, 1906-07; Reader in Economics and Politics, Bryn Mawr College, 1907-08.

PEEBLES, FLORENCE, ...Bryn Mawr, Pa.

Holder of the Mary E. Garrett European Fellowship, 1898-99. A.B., Woman's College of Baltimore, 1895, and Ph.D., Bryn Mawr College, 1900, subjects, Morphology and Physiology. Graduate Scholar in Biology, Bryn Mawr College, 1895-96; Fellow in Biology, 1896-97, and Graduate Student, 1897-98, 1903-04, 1906-08; Scholar of the Woman's Table and Student in Biology,

Zoological Station, Naples, Universities of Munich and Halle, 1898-99; Instructor in Biology, Woman's College of Baltimore, 1899-1902, and Associate Professor of Biology, 1902-06; Student, University of Bonn, Summer, 1906; Teacher of Science in Miss Wright's School, Bryn Mawr, 1906-08; Holder of American Woman's Table in Zoological Station, Naples, Spring, 1907; Assistant Demonstrator in Biology, Bryn Mawr College, 1907-08.

PERKINS, ELIZABETH MARY, ...1355 Irving Street, Washington, D. C.

Holder of the Bryn Mawr European Fellowship, 1900-01. A.B., Bryn Mawr College, 1900, group, Greek and Latin, and Ph.D., 1904, subjects, Latin and Greek. Graduate Student, Bryn Mawr College, 1900-01; Student, Universities of Berlin and Munich, 1901-02; Fellow in Latin, Bryn Mawr College, 1902-03; Teacher of Latin and German in the Western High School, Washington, 1903-04, of Latin, 1904-05, and of Greek and Latin, 1905-06; Instructor in Latin, Vassar College, 1906-07; Tutor in Latin, High School Department, Normal College, New York City, and Graduate Student, Columbia University, 1907-08.

RAGSDALE, VIRGINIA, ...Jamestown, N. C.

Holder of the Bryn Mawr European Fellowship, 1896-97. S.B., Guilford College, 1892. Graduate Scholar in Mathematics, Bryn Mawr College, 1892-93, and Graduate Student, Bryn Mawr College, 1893-97. A.B., Bryn Mawr College, 1896, group, Mathematics and Physics. Ph.D., 1906, subjects, Mathematics and Physics. Assistant Demonstrator in Physics, Bryn Mawr College, 1896-97; Student, University of Göttingen, 1897-98; Teacher of Science and Mathematics in the Bryn Mawr School, Baltimore, Md., 1898-1900, and Assistant Teacher of Mathematics, 1900-01; Holder of Fellowship of the Baltimore Association for the Promotion of the University Education of Women, Graduate Scholar, and Fellow by Courtesy in Mathematics, Bryn Mawr College, 1901-02; Fellow in Mathematics, Bryn Mawr College, 1902-03; Teacher of Mathematics in Dr. J. Sachs's School for Girls, New York City, 1903-05; Teacher of Mathematics in the Baldwin School, Bryn Mawr, Pa., and Graduate Student by Courtesy, Bryn Mawr College, 1906-08.

REIMER, MARIE, ...East Aurora, N. Y.

Holder of the Mary E. Garrett European Fellowship, 1902-03. A.B., Vassar College, 1897, and Ph.D., Bryn Mawr College, 1903, subjects, Chemistry and Physiology. Graduate Scholar in Chemistry, Vassar College, 1897-98; Assistant in the Chemical Laboratory, Vassar College, 1898-99; Fellow in Chemistry, Bryn Mawr College, 1899-1900, 1901-02; Graduate Scholar, and Fellow by Courtesy in Chemistry, Bryn Mawr College, 1900-01; Student, University of Berlin, 1902-03; Lecturer in Chemistry, Barnard College, 1903-04, and Instructor in Chemistry, 1904-08.

SAMPSON, LILIAN VAUGHAN, ...Columbia University, New York City.

Holder of the Bryn Mawr European Fellowship, 1891-92. A.B., Bryn Mawr College, 1891, group, Mathematics and Physics, and A.M., 1894. Student, University of Zürich, 1892-93; Graduate Student, Bryn Mawr College, 1891-92, and 1893-99; Research Work in Biology, 1904-06.

Married, 1904, *Professor Thomas Hunt Morgan*.

SCHAEFFER, HELEN ELIZABETH, ...Bryn Mawr, Pa.

Holder of the Mary E. Garrett European Fellowship, 1905-06. A.B., Dickinson College, 1903. Graduate Scholar in Mathematics, Bryn Mawr College, 1903-04; Fellow in Physics, Bryn Mawr College, 1904-05; Student, University of Göttingen, 1905-06; Demonstrator in Physics, Bryn Mawr College, 1906-07; Graduate Student, Bryn Mawr College, 1906-08, and Teacher in the Baldwin School, Bryn Mawr, 1907-08.

SHEARER, EDNA ASTON, ...610 North 23rd Street, Philadelphia.

Holder of the President's European Fellowship, 1905-06. A.B., Bryn Mawr College, 1904, group, English and Philosophy. Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Student, University of Edinburgh, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., and Graduate Student, Bryn Mawr College, 1907-08.

SHIELDS, EMILY LEDYARD, ..88 S. Los Robles Avenue, Pasadena, Cal.

Holder of the Bryn Mawr European Fellowship, 1905-06. A.B., Bryn Mawr College, 1905, group, Greek and Mathematics, and A.M., 1906. Graduate

Student, Bryn Mawr College, 1905-06; Recording Secretary and Appointment Secretary, Bryn Mawr College, 1906-07; Student, University of Oxford and University of Berlin, 1907-08.

SCHMIDT, GERTRUD CHARLOTTE, ...Bryn Mawr, Pa.
Holder of the President's European Fellowship, 1904-05. B.L., University of Wisconsin, 1900. Graduate Student, Radcliffe College, 1900-01, 1902-03; A.M., Radcliffe College, 1903; Assistant in German, Smith College, 1901-02; Graduate Student, Bryn Mawr College, and Teacher of German in Miss Wright's School, Bryn Mawr, Pa., 1903-05, 1906-08; Student, University of Leipsic, 1905-06, University of Grenoble, Summer, 1905.

SHIPLEY, KATHARINE MORRIS, ...Bryn Mawr, Pa.
Holder of the Bryn Mawr European Fellowship, 1890-91. A.B., Bryn Mawr College, 1890, group, Latin and English. Student in Latin and English, University of Leipsic, 1890-91; Sorbonne and Collège de France, 1891-92; Newnham College, University of Cambridge, England, May Term, 1892; Associate Principal and Teacher of English in the Misses Shipley's School, Bryn Mawr, Pa., 1894-1908.

STEVENS, NETTIE MARIA, ...Bryn Mawr, Pa.
Holder of the President's European Fellowship, 1901-02. A.B., Leland Stanford, Jr., University, 1899, and A.M., 1900. Ph.D., Bryn Mawr College, 1903, subjects Morphology and Physiology. Student in the Hopkins Seaside Laboratory, Pacific Grove, Cal., Summers, 1897, 1898, and 1899; Graduate Scholar in Biology, Bryn Mawr College, 1900-01; Student, Zoological Station, Naples, 1901-02; University of Würzburg, 1902; Fellow in Biology, Bryn Mawr College, 1902-03; Research Fellow in Biology, Bryn Mawr College, First Semester, 1903-04; Reader in Experimental Morphology, Bryn Mawr College, 1904-05, and Associate in Experimental Morphology, 1905-08; Carnegie Research Assistant, 1904-06.

STITES, SARA HENRY, ...Wyoming, Pa.
Holder of the President's European Fellowship, 1900-01. A.B., Bryn Mawr College, 1899, group, History and Political Science, A.M., 1900, and Ph.D., 1905, subjects, Economics and Politics and History. Graduate Scholar in History and Political Science, Bryn Mawr College, 1899-1900; Student at the Sorbonne and Collège de France, 1900-01; University of Leipsic, 1901-02; Graduate Scholar and Fellow by Courtesy in Political Science, Bryn Mawr College, 1902-04; Co-Principal of the Wilkes Barre Institute, Wilkes Barre, Pa., 1904-08.

TRAVER, HOPE, ...Hartford, Conn.
Holder of the Mary E. Garrett European Fellowship, 1904-05. A.B., Vassar College, 1896; Ph.D., Bryn Mawr College, 1907, subjects, English and History. Graduate Student, Bryn Mawr College, and Private Tutor, Whitford, Pa., 1901-02; Graduate Scholar, Bryn Mawr College, and Teacher of English in Miss Wright's School, Bryn Mawr, Pa., 1902-03; Fellow in English, Bryn Mawr College, 1903-04; Student, University of Munich, 1904-05, and First Semester, 1905-06; Graduate Scholar and Fellow by Courtesy, Bryn Mawr College, Second Semester, 1905-06; Teacher of English in Huntington Hall, Los Angeles, Cal., 1906-08.

WADE, CLARA LOUISE WHIPPLE, ...Bryn Mawr, Pa.
Holder of the Bryn Mawr European Fellowship, 1904-05. A.B., Bryn Mawr College, 1904, group, Greek and Latin. Scholar in Latin, Bryn Mawr College and Private Tutor, 1904-05; Student, University of Munich, 1905-06; Graduate Student, Bryn Mawr College and Private Tutor, 1906-07; Teacher of Latin and German in the Misses Shipley's School, Bryn Mawr, 1907-08.

WARREN, WINIFRED, ...805 Comstock Avenue, Syracuse, N. Y.
Holder of the Mary E. Garrett European Fellowship, 1896-97. A.B., Boston University, 1891, and A.M., 1894; Ph.D., Bryn Mawr College, 1898, subjects, Greek and Latin. Fellow in Latin, Bryn Mawr College, 1893-94, and Fellow by Courtesy in Latin, 1894-96; Student in Classical Philology, Universities of Munich and Berlin, 1896-97; Instructor in Latin, Vassar College, 1897-1902.

Married, 1902, *Mr. George Arthur Wilson.*

Former Resident Fellows.

ALBERT, GRACE, ... Wynnewood, Pa.

Fellow in History, 1903-04. A.B., Bryn Mawr College, 1897, group, Greek and Latin, and A.M., 1903. Private Tutor, 1897-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1901, of History, 1905-06, and Secretary, 1901-02; Graduate Student, Bryn Mawr College, 1901-02, and 1904-08; Graduate Scholar in History and Economics and Politics, 1902-03; Student, University of London, engaged in research work in the Public Records Office, London, and in the University of Oxford, 1903-04; Head of Department of History in the Misses Shipley's School, Bryn Mawr, 1906-08.

ATKINSON, MABEL,

2 Devonshire Terrace, Newcastle-on-Tyne, England.

Fellow in Economics and Politics, 1902-03. A.M., Glasgow University, 1900. Holder of Research Studentship, London School of Economics, 1900-02; Classical Mistress, High School, Newcastle, England, 1903-04; Lecturer in Philosophy and Assistant to the Professor of Classics, Armstrong College, University of Durham, 1904-08; Member of the Board of Faculties, University of Durham, 1905-07; Honorary Secretary, Settlement Association, Newcastle-on-Tyne, 1906-07.

BAKER, MABEL WHITMAN, ... 3100 Newark Street, Washington, D. C.

Fellow in Latin, 1896-97. Columbian University, 1893-95; Teacher in Norwood Institute, Washington, 1895-96; Teacher of Latin in the Western High School, Washington, 1897-1902.

Married, 1903, *Mr. Alfred H. Brooks.*

BANCROFT, JANE M., ... West Stockbridge, Mass.

Fellow in History, 1885-86. Ph.B., Syracuse University, 1877, Ph.M., 1880, and Ph.D., 1884. Professor of French Language and Literature, Northwestern University, 1877-85; University of Zürich, 1886-87; Sorbonne and Collège de France, 1888.

Married, 1891, *Mr. George O. Robinson.*

BARTLETT, HELEN,

Care of American Express Co., 506 Haymarket, London, England.

Fellow in English, 1893-94. Newnham College, University of Cambridge, England, 1889; studied in Berlin, 1882-84, and 1890. A.B., Bryn Mawr College, 1892, group, English and German, A.M., 1893, and Ph.D., 1896, subjects, English and German. Graduate Student, Bryn Mawr College, 1892-93, 1894-95; Holder of the American Fellowship of the Association of Collegiate Alumnae, 1894-95; Instructor in German and French in the Portland Academy, Portland, Ore., 1896-97; Dean of Women, Head of the Modern Language Department and Assistant Professor of German in the Bradley Polytechnic Institute, Peoria, Ill., 1897-1904. Dean of Women, Head of the Modern Language Department, and Professor of German, 1904-07; Student, University of Berlin, 1905. Traveling in Europe, 1907-08.

DE BEAUREGARD, ESTHER TONTANT,

146 Collier Street, Toronto, Canada.

Fellow in Romance Languages, 1894-95. A.B., University of Toronto, 1894; Ontario Normal College, 1895-96; Teacher of Modern Languages, Niagara Falls Collegiate Institute, 1898-1900; Graduate Student in English, University of Pennsylvania, 1900-01; Teacher of English and French in Mrs. Chapman and Miss Jones's School, Chestnut Hill, Philadelphia, Pa., 1900-05.

Married, 1905, *Mr. Percy J. Robinson.*

BECKWITH, MINNIE ADA, ... 30 Home Street, New London, Conn.

Fellow in Latin, 1903-04. A.B., University of Chicago, 1902. Graduate Scholar, University of Chicago, 1902-03; Teacher of Latin and Greek in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1904-08; Graduate Student, Bryn Mawr College, 1907-08.

BENNESON, CORA AGNES, ... 4 Mason Street, Cambridge, Mass.

Fellow in History, 1887-88. A.B., University of Michigan, 1878, LL.B., 1880, and A.M., 1883. Graduate Student, Radcliffe College, 1897-1902; Attorney and Counselor-at-Law, Cambridge, 1894-1908; Special Commissioner in Massachusetts, 1895-1908.

BLAKE, SUE AVIS, ...4522 Spruce Street, Philadelphia.

Fellow in Physics, 1906-07. A.B., Bryn Mawr College, 1898, group, Mathematics and Physics, and A.M., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, 1904-06; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, University of Pennsylvania, 1907-08.

BLANCHARD, ELIZABETH MILLER, ...Bellefonte, Pa.

Fellow in Mathematics, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Mathematics. Teacher of Mathematics in the Bryn Mawr School, Baltimore, Md., 1891-92; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1895-1908, and in Miss Irwin's School, Philadelphia, 1896-1908; Graduate Student, Bryn Mawr College, 1902-03.

BORING, ALICE MIDDLETON, ...931 Fairmount Avenue, Philadelphia.

Fellow in Biology, 1906-07. A.B., Bryn Mawr College, 1904, group, Chemistry and Biology, and A.M., 1905. Graduate Scholar in Biology, and Assistant in the Biological Laboratory, Bryn Mawr College, 1904-05; Moore Fellow in Zoology, University of Pennsylvania, 1905-06; Holder of the Mary E. Garrett European Fellowship and Instructor in Zoology, Vassar College, 1907-08.

BOURLAND, CAROLINE BROWN, ...See page 20.

Fellow in Romance Languages, 1898-99.

BRAMHALL, EDITH CLEMENTINE,

213 East 6th Street, Michigan City, Ind.

Fellow in History, 1898-99. A.B., University of Indiana, 1895; A.M., University of Pennsylvania, 1896, and Ph.D., 1898. Teacher of History in the Manual Training High School, Indianapolis, Ind., 1899-1900; Instructor in History and Economics, Rockford College, 1900-02, and Professor, 1902-08.

BROMBACHER, CAROLINE GARNAR,

177 Woodruff Avenue, Brooklyn, New York City.

Fellow in Greek, 1896-97. A.B., Barnard College, 1895. Assistant Teacher of Mathematics and Latin in the Erasmus Hall High School, Brooklyn, 1897-99, of Mathematics and Greek, 1899-1901, and of Greek, 1901-06; Graduate Student, Columbia University, 1903-04.

Married, 1906, *Mr. Sidney G. Stacey*.

BROOKS, HARRIET, ...See page 20.

Fellow in Physics, 1901-02.

BROWNELL, JANE LOUISE, ...Bryn Mawr, Pa.

Fellow in Political Science, 1893-94. A.B., Bryn Mawr College, 1893, group, History and Political Science, and A.M., 1894. Teacher of Mathematics in the Bryn Mawr School, Baltimore, Md., 1894-1902, and Associate Mistress, 1897-1902; Associate Principal of Miss Florence Baldwin's School, Bryn Mawr, 1902-06; Head of the Baldwin School, Bryn Mawr, 1906-08.

BURNLEY, MARY CLOYD, ...Swarthmore, Pa.

Fellow in Chemistry, 1897-98. A.B., Woman's College of Baltimore, 1897, and A.M., 1899. Assistant in Chemistry, Vassar College, 1898-1900, and Instructor in Chemistry, 1900-08; Research Fellow in Chemistry, Bryn Mawr College, 1908.

BYRNES, ESTHER FUSSELL,

193 Jefferson Avenue, Brooklyn, New York City.

Fellow in Biology, 1894-95. A.B., Bryn Mawr College, 1891, group, Chemistry and Biology, A.M., 1894, and Ph.D., 1898, subjects, Morphology and Physiology. Assistant in Biological Laboratory, Vassar College, 1891-93; Graduate Scholar in Biology, Bryn Mawr College, 1893-94; Graduate Student in Biology, 1895-97; Teacher of Physiology and Zoology in the Girls' High School, Brooklyn, New York City, 1897-1908; Fellow of the New York Academy of Science; Chairman of the Section of Biology of the New York State Science Teachers' Association, 1906.

CADY, MARY LOUISE, ... See page 21.
Fellow in Greek, 1905-06.

CLARK, MABEL PARKER, ... 145 West 78th Street, New York City.
Fellow in English, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and English, and A.M., 1890. Reader in English, and Graduate Student, 1890-93; Graduate Student, Barnard College, 1893-94.
Married, 1894, *Dr. John Henry Huddleston*.

CLARKE, MARY PATTERSON, ... 721 Illinois Street, Lawrence, Kan.
Fellow in History, 1906-07. A.B., University of Kansas, 1904, and A.M., 1905. Graduate Student, University of Kansas, 1904-05, and Fellow in History, 1905-06; Principal and Teacher of History in the High School, Cartersville, Mo., 1907-08.

CLOUGH, IDA PRESCOTT, ... 37 Cedar Street, Somerville, Mass.
Fellow in Latin, 1900-01. A.B., Radcliffe College, 1896, and A.M., 1900. Graduate Student, Radcliffe College, 1899-1900; University of Berlin, 1901-02.

COLE, ANNA LEWIS, ... 2326 N. Charles Street, Baltimore, Md.
Fellow in Romance Languages, 1895-96. A.B., Woman's College of Baltimore, 1892, and A.M., 1894. Student in English and French, Sorbonne, 1894-95; Head Teacher of Modern Languages, Winthrop Normal and Industrial College, Rock Hill, S. C., 1897-1903, 1904-05; Fellow in Romance Languages, University of Chicago, 1903-04; Head of French Department, Friends' Central School, Philadelphia, 1905-07; Graduate Student, Bryn Mawr College and University of Pennsylvania, 1906-07; Teacher of French in Sweet Briar Institute, Sweet Briar, Va., 1907-08.

COLIN, THÉRÈSE F., ... Wellesley College, Wellesley, Mass.
Fellow in Romance Languages, 1893-94. Diplômée et agrégée, Collège de Neuchâtel, 1875; A.M., Leland Stanford, Jr., University, 1893; Ph.D., University of Pennsylvania, 1897; Officier de l'Instruction Publique, Paris, 1906; Muséum d'Histoire Naturelle, Paris, 1883-85; University of the City of New York, 1887-88; Reader in Romance Languages, and Graduate Student, Bryn Mawr College, 1894-96; Student in Romance Philology and Literature, Sorbonne, Collège de France, Ecole des Hautes Etudes, Ecole des Chartes, Paris, 1895; Head of French Department in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1896-1904; Associate Professor of French, Wellesley College, 1904-06, Professor-Elect, 1906-07, and Professor of French Language and Literature, 1907-08, and Head of the Department of French, 1905-08.

Married, —, *Mr. Alfred Colin*.

CUMMINGS, LOUISE D.,
256 Main Street, East, Hamilton, Ontario, Canada.
Fellow in Mathematics, 1898-99. A.B., University of Toronto, 1895, and A.M., 1902. Fellow, University of Pennsylvania, 1896-97; Examiner in Mathematics, University of Toronto, 1897; Graduate Student, University of Chicago, 1897-98; Fellow by Courtesy in Mathematics, Bryn Mawr College, 1900; Instructor in Mathematics, St. Margaret's College, Toronto, Ont., 1901-02; Instructor in Mathematics, Vassar College, 1902-08; Graduate Scholar, Bryn Mawr College, Second Semester, 1905-06.

DENIS, WILLEY, ... 1420 General Taylor Street, New Orleans, La.
Fellow in Chemistry, 1902-03. A.B., Tulane University, 1899, and A.M., 1902; Ph.D., University of Chicago, 1907. Graduate Student, Bryn Mawr College, 1899-1901; Tulane University, 1901-02, 1903-04, University of Chicago, 1905-06; Assistant Chemist, U. S. Department of Agriculture, Bureau of Foods, 1906-08.

DOVER, MARY VIOLETTE, 194 Hunter Street, East, Peterboro, Canada.
Fellow in Chemistry, 1905-06. A.B., McGill University, 1898, and M.Sc., 1900. University of Breslau, 1906-08.

DUDLEY, LOUISE, ... Georgetown, Ky.
Fellow in English, 1906-07. A.B., Georgetown College, 1905. Graduate Student, Bryn Mawr College, 1905-06.

EDDY, HELEN MAY, ...Marengo, Iowa.

Fellow in Latin, 1904-05. A.B., University of Iowa, 1900, and A.M., 1903.
Fellow in Latin, University of Iowa, 1901-04. Teacher of Latin in the High School, Fairfield, Ia., 1905-06 and of Latin and Greek in the Winona Park School for Women, Winona Lake, Ind., 1906-08.

EDMAND, MARIETTA JOSEPHINE,

3070 Dover Street, Sheridan Park, Chicago, Ill.

Fellow in Latin, 1897-98. A.B., Central University of Iowa, 1887, and A.M., 1890; A.B. and A.M., University of Chicago, 1897. Assistant in Academic Department, Iowa Wesleyan University, 1887-90, and Principal of Academic Department, 1890-93; Professor of Latin, Iowa Wesleyan University, 1893-95; Graduate Student in Greek and Latin, University of Chicago, 1895-97; Professor of Latin and Greek, Milwaukee-Downer College, Milwaukee, Wis., 1898-99, and Professor of Latin, 1899-1903; American School of Classical Studies, Rome, 1901-02.

Married, 1903, *Mr. Frederic Perry Noble*.

EDWARDS, KATHARINE MAY, ...24 Wilder Hall, Wellesley, Mass.

Fellow in Greek, 1888-89. A.B., Cornell University, 1888, and Ph.D., 1895. Instructor in Greek, Wellesley College, 1889-93; Graduate Student, Cornell University, 1893-94; Associate Professor of Greek, Wellesley College, 1894-1901, and Associate Professor of Greek and Comparative Philology, 1901-08.

ELLIS, ELLEN DEBORAH, ...See page 21.

Fellow in Economics and History, 1904-05.

EVERS, HELEN MARGARET, ...1861 N. Market Street, St. Louis, Mo.

Fellow in Romance Languages, 1904-06. A.B., Washington University, 1899; A.M., University of Missouri, 1902; Ph.D., Bryn Mawr College, 1905, subjects, French and Spanish. Graduate Student, University of Missouri, 1901-02, and Fellow in Romance Languages, 1902-03; Teacher of French in the Gleim School, Pittsburgh, Pa., 1906-07; Acting Instructor in Romance Languages, University of Missouri, 1905-06, and Instructor, 1907-08.

FAHNESTOCK, EDITH, ...2032 East 115th Street, Cleveland, O.

Fellow in Romance Languages, 1897-98. L.B., Western Reserve University, 1894. University of Zürich and Sorbonne, 1894-96; Mistress of Modern Languages, Mississippi Industrial Institute and College, Columbus, Miss., 1898-1901, 1902-05; Graduate Scholar and Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1901-02, and Graduate Scholar, 1906-07; Instructor in Romance Languages, Mt. Holyoke College, 1907-08.

FAIRBANKS, CHARLOTTE, ...5226 Spruce Street, Philadelphia.

Fellow in Chemistry, 1896-97. A.B., Smith College, 1894; Ph.D., Yale University, 1896; M.D., Woman's Medical College of Pennsylvania, 1902. Instructor in Chemistry, Wellesley College, 1897-99; Woman's Medical College of Pennsylvania, 1899-1902; Physician, 1905-07; Instructor in Chemistry and Materia Medica, Woman's Medical College of Pennsylvania, 1906-07.

FAIRCLOUGH, ELIZABETH MARY,

228 Market Street, Hamilton, Ontario, Canada.

Fellow in Greek, 1893-94. A.B., McGill University, 1893. Private Tutor, 1898-1900.

FARNHAM, LOIS ANNA, ...Bryn Mawr, Pa.

Fellow in Economics and Politics, 1901-02. A.B., Bryn Mawr College, 1900, group, History and Political Science, and A.M., 1901. Graduate Scholar in History, Political Science, and Law, Bryn Mawr College, 1900-01.

Married, 1903, *Professor David Wilbur Horn*.

FOGG, EMILY,

Care of Professor E. S. Meade, Logan Hall, University of Pennsylvania, Philadelphia.

Fellow in History, 1897-98. Wellesley College, 1889-91; A.B., University of Chicago, 1897. Graduate Scholar and Fellow by Courtesy in History, 1898-99; Fellow in Sociology, University of Pennsylvania, 1899-1900; Student, University of Pennsylvania, and Teacher of Economic Geography in Mrs. Head's School, Germantown, Philadelphia, and in the Misses Shipley's School, Bryn Mawr, Pa., 1900-01.

Married, 1900, *Professor Edward Sherwood Meade*.

FOWLER, EUGENIA, ...Catonsville, Md.

Fellow in Physics, 1902-03. A.B., Bryn Mawr College, 1901, group, Philosophy and Physics, and A.M., 1902. Mistress of Llanberis, and Graduate Student, Bryn Mawr College, 1901-02; Secretary and Manager of Athletics, St. Timothy's School, Catonsville, 1903-07.

FRANCE, WILMER CAVE, ...Bryn Mawr, Pa.

Fellow in Greek, 1892-93. Girton College, University of Cambridge, England, 1888-92; Classical Tripos, 1892; Ph.D., University of Chicago, 1895; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96; Reader in Classical Literature, Bryn Mawr College, 1897-99; Associate in Classical Literature, 1899-1901, Associate in Greek, 1901-03, 1905-06, Lecturer in Greek Literature, 1906-07, and Associate Professor of Greek, 1907-08.

Married, 1906, *Mr. J. Edmund Wright*.

FRANKLIN, SUSAN BRALEY,

63rd Street and Central Park West, New York City.

Fellow in Greek, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Latin, and Ph.D., 1895, subjects, Greek, Latin, and Sanskrit. Fellow by Courtesy in Greek, Bryn Mawr College, 1890-93, and Graduate Student, 1890-93; and Second Semester, 1901-03; Holder of the American Fellowship of the Association of Collegiate Alumnae, 1892-93; Instructor in Latin, Vassar College, 1893-97; American School of Classical Studies, Athens, and University of Berlin, 1898-99; Teacher of Greek and Latin in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1897-98, and 1899-1904; Head of the Classical Department, Ethical Culture School, New York City, 1904-08.

GAGE, KITTY AUGUSTA, ...New Paltz, N. Y.

Fellow in Greek, 1885-86. A.B., Boston University, 1878; A.M., Cornell University, 1885. Teacher of Classics in the State Normal School, New Paltz, 1893-1908.

GATES, FANNY COOK, ...Woman's College, Baltimore, Md.

Fellow in Mathematics, 1896-97. S.B., Northwestern University, 1894, and S.M., 1895. Fellow in Mathematics, Northwestern University, 1894-95; Graduate Scholar in Mathematics, Bryn Mawr College, 1895-96; Holder of European Fellowship of the Association of Collegiate Alumnae, and Student in Mathematics and Physics, University of Göttingen, 1897-98; Graduate Student, University of Chicago, Summer Term, 1899; Instructor in Physics, Woman's College of Baltimore, 1898-1901, Associate Professor of Physics, 1901-06, and Professor of Physics, 1906-08; Research Student, McGill University, 1902-03; Research Student, Cavendish Laboratory, Cambridge, England, April to August, 1905.

GENTRY, RUTH, ...Stilesville, Ind.

Fellow in Mathematics, 1890-91, 1892-93. Ph.B., University of Michigan, 1890; Ph.D., Bryn Mawr College, 1896, subjects, Mathematics and Physics. Fellow by Courtesy in Mathematics, Bryn Mawr College, 1893-94; Holder of the European Fellowship of the Association of Collegiate Alumnae, and Student in Mathematics, University of Berlin, 1891-92; Student at the Sorbonne, 1892-93; Instructor in Mathematics, Vassar College, 1894-1900, and Associate Professor of Mathematics, 1900-02; Associate Principal of Private School, Pittsburgh, Pa., 1902-05, and Head of Department of Mathematics, 1904-05.

GORDON, WILHELMINA,

Queen's University, Kingston, Ontario, Canada.

Fellow in Latin, 1906-07. M.A., Queen's University, 1905. Graduate Scholar in English, Bryn Mawr College, 1905-06.

GRAHAM, ELLEN MAUD, ...Owen Sound, Ontario, Canada.

Fellow in History, 1896-97. A.B., University of Toronto, 1896. Principal of the Girls' High School, Quebec, P. Q., 1906-08.

GRAHAM, MINNIE ALMIRA, ...106 Lock Street, Lockport, N. Y.

Fellow in Chemistry, 1906-07. A.B., Mount Holyoke College, 1900; A.M., University of Michigan, 1906. Teacher of Mathematics and Science in the

- High School, Hancock, N. Y., 1900-01, and Instructor in Chemistry, Mount Holyoke College, 1902-05; Student in Physics, Massachusetts Institute of Technology, First Semester, 1901-02; Graduate Student, University of Michigan, and Holder of the '86 Fellowship of Mount Holyoke College, 1905-06; Professor of Chemistry, Lake Erie College, 1907-08.
- GRIFFIN, HATTIE JOSEPHINE, ...North Bend, Ore.
Fellow in Latin, 1899-1900. A.B., University of Wisconsin, 1898, and A.M., 1902. Alumni Fellow in Latin, University of Wisconsin, 1898-99; Fellow in Latin, University of Wisconsin, 1901-02; Assistant in the High School, Crystal Falls, Michigan, 1902-03; Professor of Ancient and Modern Languages, Nebraska Central College, 1903-07; Principal of the High School, North Bend, 1907-08.
- GWINN, MARY,
The San Remo, Central Park West and 74th Street, New York City.
Fellow in English, 1885-87. University of Leipzig, 1879-82; University of Zürich, 1882; Sorbonne and Collège de France, 1883. Ph.D., Bryn Mawr College, 1888. Graduate Student, Bryn Mawr College, 1887-88, and Associate in English, 1888-93; Associate Professor of English, Bryn Mawr College, 1893-97, and Professor of English, 1897-1904.
Married, 1904, *Mr. Alfred Hodder*.
- HAINES, JANE BOWNE, ...Cheltenham, Pa.
Fellow in History, 1892-93. A.B., Bryn Mawr College, 1891, group, History and Political Science, and A.M., 1892. Graduate Student, Bryn Mawr College, 1891-92, 1893-94, and Associate Librarian, 1895-98; Student, New York State Library School, Albany, N. Y., 1898-99; Assistant in the Cataloguing Division, Library of Congress, Washington, D. C., 1900-03; Private Indexer and Bibliographer, 1903-08.
- HAMILTON, EDITH, ...See page 22.
Fellow in Latin, 1894-95.
- HANINGTON, FLORENCE, ...72 Stanley Avenue, Ottawa, Canada.
Fellow in Mathematics, 1905-06. A.B., Trinity University, 1904; Graduate Scholar in Mathematics, Bryn Mawr College, 1904-05; Secretary of Bryn Mawr College, 1906-07.
Married, 1907, *Mr. Charles Reginald Carter*.
- HARDCASTLE, FRANCES, 25 Boundary Road, London, N. W., England.
Fellow in Mathematics, 1894-95. M.A., Trinity College, Dublin, 1907. Girton College, University of Cambridge, England, 1888-92; Mathematical Tripos, Part I, 1891; Part II, 1892. Graduate Student in Mathematics, Bryn Mawr College, 1892-93; Honorary Fellow in Mathematics, University of Chicago, 1893-94; Graduate Student in Mathematics, Girton College, 1895-96; Pfeiffer Student of Girton College, 1902-03; Hon. Secretary, National Union of Women's Suffrage Societies, London, 1906-07.
- HARPER, CARRIE ANNA, ...Sunderland, Mass.
Fellow in English, 1898-99. A.B., Radcliffe College, 1896, and A.M., 1898. Graduate Scholar in English, Bryn Mawr College, 1896-97; Graduate Student in English, Radcliffe College, 1897-98, 1906-07; Teacher of English in the Gilman School, Cambridge, Mass., 1899-1907; Instructor in English Literature, Mt. Holyoke College, 1907-08.
- HARRIS, ELIZABETH, ...Clayton, Mo.
Fellow in Greek, 1890-91. A.B., Bryn Mawr College, 1890, group, Greek and Latin, and A.M., 1891. Teacher of Greek and Latin in the Collegiate Grammar School, New York City, 1891-92; Teacher of Greek and Latin in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1892-96.
Married, 1896, *Professor Edward Harrison Keiser*.
- HARRISON, ELIZABETH L., ...8 Linnet Lane, Liverpool, England.
Fellow in Greek, 1906-07. Liverpool University College, 1897-98; Newnham College, University of Cambridge, England, 1898-1902; Classical Tripos, Part I, 1901; Part II, 1902.

- HAZEN, ANNAH PUTNAM**, ... White River, Vt.
Fellow in Biology, 1898-99. L.B., Smith College, 1895; S.M., Dartmouth College, 1897. Graduate Student in Biology, Dartmouth College, 1895-96; Graduate Scholar in Biology, Bryn Mawr College, 1897-98; Teacher of Biology in the State Normal School, Plymouth, N. H., 1899-1900; Assistant in Zoology, Smith College, 1900-03; Teacher of Biology in the Wadleigh High School, New York City, 1903-08.
- HAZLEWOOD, CHARLOTTE WILLIAMS**, ... 161 Allen Avenue, Lynn, Mass.
Fellow in Greek, 1898-99. A.B., Wellesley College, 1891. Teacher of Greek and Latin in the Classical High School, Lynn, 1891-96; Graduate Student, Yale University, 1896-97, and Graduate Scholar, 1897-98.
- HENRY, MARGARET EDITH**, ... Lincoln, Neb.
Fellow in Philosophy, 1900-01. A.B., University of Nebraska, 1898, and A.M., 1900; A.M., Radcliffe College, 1902. Graduate Scholar in Philosophy, University of Nebraska, 1898-99, and Fellow, 1899-1900; Graduate Student, Radcliffe College, 1901-02.
- HICKS, AMY MAUD**, 7 Ornan Mansions, Hampstead, London, England.
Fellow in Greek, 1904-05. A.B., University of London, 1900, and A.M., 1901. Student, Girton College, University of Cambridge, England, 1895-99, Classical Tripos, Part I, 1898, Part II, 1899; Student, University College, London, 1900-02; Teacher of Classics in St. Mary's College, Paddington, London, 1906-08.
- HIGHET, MINNIE ELIZABETH**, ... Cobourg, Ontario, Canada.
Fellow in German and Teutonic Philology, 1896-97. A.B., Victoria University, 1891, and A.M., 1892; Ph.M., Cornell University, 1894, and Ph.D., 1895. Teacher of Modern Languages, Bowmanville High School, 1892-93; Professor of Modern Languages and History, State Normal School, New Paltz, N. Y., 1897-1900; University of Berlin, 1901-02; Professor of German, Elmira College, 1902-07.
- HILL, SARAH D.**, ... Richmond, Ind.
Fellow in Teutonic Philology, 1904-05. A.B., Earlham College, 1901. Graduate Scholar, Bryn Mawr College, 1903-04; Assistant in German and French, Earlham College, 1905-08.
- HOOPER, EDITH SOPHIA**,
Heathersby, Chislehurst Road, Kent, England.
Fellow in English, 1900-01. M.A., University of Edinburgh, 1900, Honours in Philosophy, 1899, in English, 1900.
- HOPKINS, MARY DELIA**, ... Clinton, N. Y.
Fellow in English, 1896-97. A.B., Bryn Mawr College, group, English and German, and A.M., 1896. Reader in English, Bryn Mawr College, and Graduate Student, 1897-98, and Reader in English, 1899-1901; Teacher of English in the Balliol School, Utica, N. Y., 1901-02, and of English, German, and Latin, 1905-07; Teacher of Latin and English in the Granger Place School, Canandaigua, N. Y., 1902-04; Teacher of English and Latin in Miss Davidge's Classes, New York City, and Private Tutor, 1904-05.
- HOWELL, JEAN KIRK**, ... 123 West 7th Street, Plainfield, N. J.
Fellow in Biology, 1891-92. Ph.B., Cornell University, 1888, and S.M., 1890. Assistant in Botany, Barnard College, 1892-96; Teacher of Science in the Phillips High School, Watertown, Mass., 1898-99; Teacher of Science in Miss Ingol's School, Cambridge, Mass., 1899-1903, and in the Plainfield Seminary, Plainfield, 1905-07.
- HUGHES, WINONA ALICE**, ... 271 West Church Street, Marion, O.
Fellow in Chemistry, 1900-01. Ph.B., University of Wooster, 1891. Graduate Student, Cornell University, Summer School, 1894; Harvard University, Summer School, 1895; University of Chicago, 1897-99; Teacher of Science in the Public Schools, Marion, 1892-97, and in the High School, Mansfield, O., 1899-1900, 1902-06; Teacher of Science in the High School, Ottumwa, Ia., 1901-02; Instructor in Chemistry, Mt. Holyoke College, 1906-08.

HUTCHINSON, ANABELLE ROXBURGH,

Brookside, Catterlick, Yorkshire, England.

Fellow in Romance Languages, 1899-1900. Newnham College, University of Cambridge, England, 1895-99; Mediæval and Modern Languages Tripos, 1898; Sorbonne, 1900-01; Assistant Librarian, University Library, Cambridge, 1902-05; Assistant Lecturer in French, Newnham College, 1904-06.

HYDE, IDA H., ...Lawrence, Kan.

Fellow in Biology, 1892-93. S.B., Cornell University, 1891; Ph.D., University of Heidelberg, 1896. Student Assistant in Biology, Bryn Mawr College, 1891-92; Holder of the European Fellowship of the Association of Collegiate Alumnae, and Student in Biology, University of Strassburg, 1893-94; Holder of the Phebe Hunt Fellowship of the Association of Collegiate Alumnae, and Student in Biology, University of Heidelberg, 1894-96; Teacher of Science in Miss Ingol's School, Cambridge, Mass., 1898-99; Associate Professor of Physiology, University of Kansas, 1899-1908.

HYDE, WINIFRED FLORENCE, ...1045 C Street, Lincoln, Neb.

Fellow in Philosophy, 1902-04. A.B., University of Nebraska, 1900. Scholar in Philosophy, University of Nebraska, 1900-01; University of Denver, Summer of 1901; Teacher in the High School, Lincoln, Neb., 1901-02; Scholar in Philosophy, Cornell University, 1904-05; Holder of the European Fellowship of the Boston Woman's Educational Association and Student at the University of Jena, 1905-07.

ISHAM, MARY KEYT,....849 Oak Street, Walnut Hills, Cincinnati, O.

Fellow in Philosophy, 1899-1900. A.B., Wellesley College, 1894; A.M., University of Cincinnati, 1898. M.D., Laura Memorial Medical College, 1903. Graduate Student in Philosophy and Psychology, University of Cincinnati, 1897-98; Graduate Student in Philosophy and Psychology, University of Chicago, 1898-99; Lecturer on Psychology and Student, Laura Memorial Medical College, Cincinnati, 1900-03; Interne and House Physician at the Presbyterian Hospital, Cincinnati, 1903-04; Physician, 1904-08.

JONES, LAURA LUCINDA, ...Cobourg, Ontario, Canada.

Fellow in English, 1894-95. A.B., University of Toronto, 1891. Teacher of Modern Languages in the Collegiate Institute, Kingston, Ont., 1895-97; Teacher of English, and Student in German in the Höhere Töchtereschule Tegeler, Eberswalde, Berlin, 1897-98; Teacher of English, French, and German in the Collegiate Institute, Cobourg, 1898-1908; Member of the Board of the Public Library, Cobourg, 1904-06.

KEYS, FLORENCE V., ...College Avenue, Poughkeepsie, N. Y.

Fellow in Greek, 1891-92; Fellow in English, 1892-93. A.B., University of Toronto, 1891. Examiner in English, University of Toronto, 1894-95; Reader in English, Bryn Mawr College, 1893-97, and Graduate Student in English, 1895-96; University of Oxford, England, 1897-98. University of Berlin, 1898-99; Reader in English, College Entrance Examination Board, 1900-02; Instructor in English, Vassar College, 1899-1904, and Associate Professor of English, 1904-08; Student, University of Munich, 1904-05.

KING, GEORGIANA GODDARD,

Walnut and Wayne Streets, Germantown, Philadelphia.

Fellow in Philosophy, 1896-97; Fellow in English, 1897-98. A.B., Bryn Mawr College, and George W. Childs Prize Essayist, 1896, group, Political Science and Philosophy, and A.M., 1897. Student at the Collège de France, First Semester, 1898-99; Teacher of English, Philosophy, and History of Art in the Misses Graham's School, New York City, 1899-1906; Reader in English, Bryn Mawr College, 1906-08.

KING, HELEN DEAN, ...Bryn Mawr, Pa.

Fellow in Biology, 1897-98. A.B., Vassar College, 1892; Ph.D., Bryn Mawr College, 1901, subjects, Morphology, Palæontology and Physiology. Graduate Student in Biology, Vassar College, and Assistant in the Biological Laboratory, 1894-95; Graduate Scholar in Biology, Bryn Mawr College, 1895-96, Graduate Student in Biology, 1896-97 and 1901-06; Fellow by Courtesy in Biology, 1898-1901; Teacher of Science in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1899-1907; University Fellow for Research in Zoology, University of Pennsylvania, 1906-08.

KING, LIDA SHAW,

Women's College in Brown University, Providence, R. I.

Fellow in Greek, 1899-1900. A.B., Vassar College, 1890; A.M., Brown University, 1894. Fellow in Greek, Vassar College, 1894-95; Instructor in Greek and Latin, Vassar College, 1895-97; Graduate Student in Greek and Greek History, Harvard University, 1897-98; Instructor in Latin, Packer Collegiate Institute, Brooklyn, New York City, 1898-99; Student, American School of Classical Studies, Athens, 1899-1901; Holder of the Agnes Hoppin Memorial Fellowship, 1900-01; Director of Classical Department, Packer Collegiate Institute, 1901-02; Dean of the Women's College in Brown University, 1905-08.

LAIRD, ELIZABETH REBECCA, ... See page 22.
Fellow in Physics, 1897-98.

LANGENBECK, CLARA, ... See page 22.
Fellow in Biology, 1895-96.

LEFTWICH, FLORENCE, ... See page 22.
Fellow in Romance Languages, 1902-03.

LEWIS, FLORENCE, ... See page 22.
Fellow in Philosophy, 1898-99.

Longbottom, Gertrude, ..The Hollies, Louth, Lincolnshire, England.
Fellow in Mathematics, 1897-98. Girton College, University of Cambridge, England, 1893-97; Mathematical Tripos, Part I, 1896; Part II, 1897. M.A., Trinity College, Dublin, 1905. Teacher of Latin in the Municipal Technical School, Louth, 1899-1900, and Teacher of Mathematics, 1900-06; Governor of King Edward VI Girls' Grammar School, Louth, 1902-08; Manager of the Louth British (Elementary) School, 1904-08.

LORD, ELEANOR LOUISA, ...46 Auburn Street, Malden, Mass.

Fellow in History, 1889-90, 1895-96. A.B., Smith College, 1887, and A.M., 1890; Ph.D., Bryn Mawr College, 1898, subjects, History and Political Science. Instructor in History, Smith College, 1890-94; Holder of the European Fellowship of the Women's Educational Association of Boston, and Student in History, Newnham College, University of Cambridge, England, 1894-95; Instructor in History, Woman's College of Baltimore, 1897-1901, Associate Professor, 1901-04, and Professor of History, 1904-08; Member of the Committee of the Charity Organisation Society, Baltimore, Md., 1905-07; Vice-President and Chairman of the Executive Committee of the History Teachers' Association of the Middle States and Maryland, 1906-07.

LOVELL, HELEN LOUISA, ...Hardin College, Mexico, Mo.

Fellow in Greek, 1887-88. A.B., University of Michigan, 1887. Graduate Student, University of Michigan, 1888-89; Teacher of Latin and History in the Girls' Classical School, Indianapolis, Ind., 1889-90; Associate in Greek and Latin, Woman's College of Baltimore, 1890-91, and Associate Professor, 1891-93; Acting Professor of Greek and Latin, Earlham College, 1893-94; Graduate Student, University of Chicago, 1894-95, and Fellow in Greek, 1895-96; Professor of Greek, Hardin College, Mexico, 1896-1900, Professor of Greek and Philosophy, 1900-05, and Professor of Latin, Greek and Philosophy, 1905-07.

Married, 1896, *Mr. John Wilson Million*.

LOWATER, FRANCES, ...Bryn Mawr, Pa.

Fellow in Physics, 1896-97. B.Sc., University of London, 1900; Ph.D., Bryn Mawr College, 1906, subjects, Physics, Mathematics and Applied Mathematics. University College, Nottingham, England, 1888-91, 1892-93; Newnham College, University of Cambridge, England, 1891-92; Demonstrator in Physics, Bryn Mawr College, 1893-96, 1897-98, and 1899-1905, 1907-08; Graduate Scholar in Physics, 1897-98, and Graduate Student in Physics, 1902-06; Secretary of Bryn Mawr College, 1898-99.

LUNDIE, ELIZABETH HELEN, ...36 Fort Street, Montreal, Canada.

Fellow in Physics, 1905-06. A.B., McGill University, 1903, and M.Sc., 1904.

MACDONALD, MARGARET BAXTER, ...State College, Pa.

Fellow in Chemistry, 1898-99. Pennsylvania State College, 1893-95; B.S., Mt. Holyoke College, 1898; Ph.D., Bryn Mawr College, 1902, subjects, Chemistry and Physiology. Student Assistant in Chemical Laboratory, Mt. Holyoke College, 1895-97; Graduate Scholar in Chemistry and Physiology, Bryn Mawr College, 1897-98; Pepper Fellow in Chemistry, University of Pennsylvania, 1899-1900; Graduate Scholar and Fellow by Courtesy in Chemistry, Bryn Mawr College, 1900-01; Professor of Chemistry and Physics, Asheville College, Asheville, N. C., 1901-02; Professor of Chemistry, New Jersey State Normal School, 1902-04; Instructor in Chemistry, Vassar College, 1905-06; Assistant Chemist, Delaware College Experiment Station, 1906-07; Instructor in Chemistry, Pennsylvania State College, 1907-08.

MADDISON, ISABEL, ...See page 23.

Fellow in Mathematics, 1893-94.

MANN, CARRIE ALICE.

Fellow in Mathematics, 1903-04. A.B., Wellesley College, 1893. Graduate Student, Bryn Mawr College, and Teacher of Mathematics in the Misses Kirk's School, Rosemont, Pa., 1901-03; Teacher of Mathematics in Mrs. Chapman and Miss Jones's School, Chestnut Hill, Philadelphia, 1904-05.

Died, 1905.

MARCUSE, BELLA, ...407 Metcalfe Avenue, Westmount, P. Q., Canada.

Fellow in Chemistry, 1904-05. A.B., McGill University, 1900, and M.Sc., 1903. Student, University of Breslau, 1900-01; Assistant, McGill Model School, Montreal, Canada, January to June, 1904; Student in French, McGill University, 1905-07, and Private Tutor, 1905-08.

MARTIN, EMILIE NORTON, ...See page 23.

Fellow in Mathematics, 1895-96.

MASON, GERTRUDE H., ...2627 Channing Way, Berkeley, Cal.

Fellow in English, 1887-88. Ph.B., University of Michigan, 1876, and Ph.M., 1888. Graduate Student in English, University of Michigan, 1888-89; Teacher of English in the High School, Petaluma, Cal., 1889-95, in the High School, San Diego, Cal., 1895-96; Graduate Student in English, Leland Stanford, Jr., University, 1896-97 and 1900-01; Assistant to Dr. Ewald Flügel on Chaucer Lexicon, 1904-05; Teacher of English in the Kern County High School, Bakersfield, Cal., 1897-98, and in the Union High School, Haywards, Cal., 1899-1900; Private Tutor in English, 1900-02, 1905-07.

McNAIR, GRACE ELIZABETH, ...Brodhead, Wis.

Fellow in History, 1900-01. L.B., University of Wisconsin, 1898, and L.M., 1899. Assistant in History in the High School, Madison, Wis., 1899-1900; Assistant in Latin, German, and History in the High School, Brodhead, 1902-04.

MERRILL, KATHARINE, ...Symphony Chambers, Boston, Mass.

Fellow in English, 1890-91. A.B., University of Kansas, 1889. Graduate Student in English, Bryn Mawr College, 1889-90; Harvard Annex, 1891-92; Assistant Professor of English Language and Literature, University of Illinois, 1892-97; Fellow in English, University of Chicago, 1897-98; Teacher of English, Austin High School, Chicago, Ill., 1898-1903; Teacher of the History of Literature in the Leland Powers School of the Spoken Word, Boston, 1905-08.

MILES, CAROLINE, ...5728 Madison Avenue, Chicago, Ill.

Fellow in History, 1891-92. A.B., Earlham College, 1887; A.M., University of Michigan, 1890, and Ph.D., 1892. Teacher of Latin in the Friends' Academy, Bloomington, Ind., 1888-89; University of Michigan, 1889-91; Instructor in Philosophy and Political Economy, Mt. Holyoke College, 1892-93; Tutor in History, Wellesley College, 1893-94, and Instructor in Psychology, 1894-95; University Extension Work, Chicago, 1897-1900; Assistant Reference Librarian, John Crerar Library, Chicago, 1900-04; Manager Prairie Weir Farm Summer School for Boys and Girls, 1905-07.

Married, 1895, *Mr. William Hill*.

MORSE, KATE NILES, ...See page 23.
Fellow in Greek, 1900-01.

MORY, RUTHELLA BERNARD, ...The Somerset, Baltimore, Md.
Fellow in History, 1899-1900. A.B., Woman's College of Baltimore, 1897;
Ph.M., University of Chicago, 1899. Student in English and History, Uni-
versity of Oxford, England, 1897-98; Graduate Student in History and
History of Art, University of Chicago, 1898-99; Student, London School
of Economics, 1900; Research work in History in the British Museum and
in the Public Record Office, London, 1900-02.

Married, 1903, *Mr. Arthur Barneveld Bibbins.*

NEILSON, NELLIE, ...Mt. Holyoke College, South Hadley, Mass.
Fellow in History, 1894-95. A.B., Bryn Mawr College, 1893, group, Greek
and English, A.M., 1894, and Ph.D., 1899, subjects, History and English.
Graduate Student, Bryn Mawr College, 1893-94, 1895-96, 1900-01. Holder
of the American Fellowship of the Association of Collegiate Alumnae,
1895-96; Research work in History in Cambridge, England, and in the
Public Record Office, London, 1896-97; Teacher of History in Miss Irwin's
School, Philadelphia, 1897-1900; Private Research work, 1897-1905; Reader
in English, Bryn Mawr College, 1900-02; Instructor in History, Mt. Holyoke
College, 1902-03, Acting Professor of European History, 1903-04, and Pro-
fessor of History, 1904-08.

NICHOLS, ELIZABETH, ...1918 N. Penn Street, Indianapolis, Ind.
Fellow in Biology, 1893-94. A.B., Bryn Mawr College, 1893, group, Chem-
istry and Biology. Graduate Student, Bryn Mawr College, 1894-95; Teacher
of Science in the Girls' High School, Philadelphia, 1895-96; Secretary of
the Indianapolis Branch of the Needlework Guild of America, 1907-08.

Married, 1896, *Mr. Charles W. Moores.*

NORTHWAY, MARY ISABEL,
1129 Barclay Street, Vancouver, B. C., Canada.
Fellow in Physics, 1900-01. A.B., University of Toronto, 1898. Ontario Nor-
mal College, 1898-99; Graduate Scholar in Physics, Bryn Mawr College,
1899-1900; Student of Domestic Science, 1901-02; Assistant in Physics
Department, Smith College, 1902-03.

Married, 1904, *Mr. R. J. Wilson.*

NOWLIN, NADINE, ...See page 23.
Fellow in Biology, 1905-06.

O'GRADY, MARCELLA I., ...Würzburg, Bavaria.
Fellow in Biology, 1887-89. S.B., Massachusetts Institute of Technology,
1885. Teacher of Science in the Bryn Mawr School, Baltimore, Md.,
1885-87; Demonstrator in Biology, Bryn Mawr College, 1887-89; Associate
Professor of Biology, Vassar College, 1889-93, and Professor of Biology,
1893-97.

Married, 1897, *Professor Theodore Boveri.*

OLSEN, SOPHIE YHLEN, ...Odensegade 7, Copenhagen, Denmark.
Fellow in Teutonic Philology, 1899-1900. A.B., Bryn Mawr College, 1898,
group, Greek and Latin, and A.M., 1899. A.M., University of Copenhagen,
1902. Graduate Scholar in English and Teutonic Philology, Bryn Mawr
College, 1898-99; Student, Universities of Copenhagen and Leipzig, 1900-01;
University of Copenhagen, 1901-02; Teacher of English Literature in the
Zahle Institute for Teachers, Copenhagen, 1905-08.

Married, 1902, *Mr. Henrik Bertelsen.*

PARKER, EMMA HARRIET, ...Charlestown, N. H.
Fellow in Chemistry, 1893-94. S.B., Smith College, 1887. Graduate Student
in Chemistry, Bryn Mawr College, 1892-93, and Graduate Scholar in
Chemistry, 1894-95; Instructor in Chemistry, Wellesley College, 1895-97;
Teacher of Science in the High School, New Bedford, Mass., 1897-1900;
Teacher of Chemistry in the High School, Newton, Mass., 1900-08.

PARRIS, MARION, ...See page 23.
Fellow in Economics and Politics, 1905-06.

PASCHALL, ANNIE GOODE.

Fellow in Greek, 1894-95. A.B., Vanderbilt University, 1894.
Died, 1895.

PEEBLES, FLORENCE, ... See page 23.
Fellow in Biology, 1896-97.

PERKINS, ELIZABETH MARY, ... See page 24.
Fellow in Latin, 1902-03.

PETTY, MARY, ... Greensboro, N. C.
Fellow in Chemistry, 1895-96. S.B., Wellesley College, 1885. Teacher of Latin, Guilford College, 1888-93; Teacher of Chemistry and Physics in the State Normal and Industrial College, Greensboro, 1893-95, and 1896-99, and Head of Department of Chemistry, 1899-1908; Member of Book Committee of Public Library, Greensboro, 1905-06.

POTTS, LAURETTE EUSTIS, ... Pelham Manor, N. Y.
Fellow in English, 1899-1900. Mistress of Pembroke Hall East, Bryn Mawr College, 1895-96. A.B., Bryn Mawr College, 1897, group, Latin and English. Sorbonne and Collège de France, 1896-97; Graduate Student, Bryn Mawr College, 1897-98, Reader in English, 1897-99; Student, University of Munich, 1900-01.

Married, 1905, *Mr. Lewis Frederic Pease*.

PURDIE, ELEANOR, ... Presbury, Gloucestershire, England.
Fellow in Greek, 1895-96. Newnham College, University of Cambridge, England, 1890-94; Classical Tripos, Part I, First Class, 1893; Part II, 1894; Ph.D., University of Freiburg, 1897. Holder of the Marion Kennedy Studentship, and Student in Indo-European Philology, University of Freiburg, 1894-95; Classical Mistress in the Notting Hill High School, London, 1897-98; Head Classical Tutor, Cheltenham Ladies' College, Cheltenham, England, 1898-1908.

RABOURN, SARAH BREWER FRANCIS, ... Centralia, Mo.
Fellow in Mathematics, 1906-07. A.B., University of Missouri, 1902, and A.M., 1904. Scholar in Mathematics, University of Missouri, 1903-04; Assistant Principal and Teacher of Mathematics in the High School, Fredericktown, Mo., 1907-08.

RAGSDALE, VIRGINIA, ... See page 24.
Fellow in Mathematics, 1902-03.

RANDOLPH, HARRIET, ... Bryn Mawr, Pa.
Fellow in Biology, 1889-90. A.B., Bryn Mawr College, 1889, group, Chemistry and Biology. University of Zürich, 1890-92, and Ph.D., 1892; Graduate Student, Bryn Mawr College, 1896-97, Demonstrator in Biology, 1892-1908, and Reader in Botany, 1893-1908.

REED, BERTHA, ... 1604 N. Main Street, Decatur, Ill.
Fellow in Teutonic Philology, 1906-07. Illinois Woman's College, 1893-96. Ph.B., De Pauw University, 1898, and A.M., 1900. University of Berlin, Winter Semester, 1902-03, University of Zürich, 1903, 1903-04. Instructor in German, Bradley Polytechnic Institute, Peoria, Ill., 1907-08.

REIMER, MARIE, ... See page 24.
Fellow in Chemistry, 1899-1900, 1901-02.

REYNOLDS, MINNIE BEATRICE, 244 Myrtle Avenue, San Francisco, Cal.
Fellow in Greek, 1897-98. A.B., University of California, 1895, and A.M., 1897. Instructor in Greek and Latin in the High School, Centerville, Cal., 1896-97; Fellow by Courtesy in Greek, Bryn Mawr College, 1898-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1898-99; Instructor in Latin, Vassar College, 1899-1900; Instructor in Greek in the High School, Los Angeles, Cal., 1900-01; Teacher of Greek and Latin in the High School, San Francisco, 1901-03.

Married, 1903, *Mr. James A. Kinkead*.

RITCHIE, MARY HELEN.

Fellow in Latin, 1898-99. A.B., Bryn Mawr College, 1896, group, Greek and Latin, A.M., 1897, and Ph.D., 1902, subjects, Latin and Greek. Graduate Scholar in Greek and Latin, Bryn Mawr College, 1896-97. Graduate Student, 1897-98, and Secretary of Bryn Mawr College, 1899-1904.
Died, 1905.

ROCK, AMY CORDOVA, ...1455 Belmont Street, Washington, D. C.

Fellow in Chemistry, 1894-95. A.B., Bryn Mawr College, 1893, group, Physics and Chemistry. Assistant in Chemical Laboratory and Graduate Student, Bryn Mawr College, 1893-94; Student, University of Heidelberg, 1895-96, and University of Berlin, 1896-97; Chairman of Committee for Household Research in the Public Education Association of Washington and Chairman of Committee on Home Economics in the Washington Branch of the Association of Collegiate Alumnae, 1906-07; Corresponding Secretary of the Washington Committee of the League for Social Service, 1907-08.

Married, 1899, *Mr. Frederick Leslie Ransome*.

SALMON, LUCY MAYNARD, ...263 Mill Street, Poughkeepsie, N. Y.

Fellow in History, 1886-87. A.B., University of Michigan, 1876, and A.M., 1883. Teacher of History in the Indiana State Normal School, 1883-86; Associate Professor of History, Vassar College, 1887-89, and Professor of History, 1889-1908.

SATTERTHWAITE, SARAH E., ...2037 Franklin Avenue, Toledo, O.

Fellow in Greek, 1886-87. A.B., University of Michigan, 1886. Assistant in Greek and Latin, Hope College, Holland, Mich., 1887-88; Private Tutor in Greek and Latin, 1898-1900.

Married, 1890, *Dr. Francis Alexander Leslie*.

SCHAEFFER, HELEN ELIZABETH, ...See page 24.

Fellow in Physics, 1904-05.

DE SCHWEINITZ, AGNES JULIA, ...220 Wall Street, Bethlehem, Pa.

Fellow in Teutonic Philology, 1902-03. A.B., Bryn Mawr College, 1899, group, German and French, and A.M., 1900. Graduate Scholar in German and Teutonic Philology, Bryn Mawr College, 1899-1900; Teacher of German in the Portland School, Ore., 1900-01; University of Leipsic, 1901-02; Teacher of German in the Bryn Mawr School, Baltimore, Md., 1903-08.

SEWALL, HANNAH ROBIE, ...Forest Glenn, Md.

Fellow in History, 1888-89. A.B., University of Minnesota, 1884, and Ph.D., 1898; A.M., University of Michigan, 1887. Fellow by Courtesy in History, Bryn Mawr College, 1889-90; Assistant in Political Science, University of Minnesota, 1893-1901; Assistant, Boston Children's Aid Society, 1904-07.

SHAPIRO, REBECCA, ...Marshfield, Wis.

Fellow in Romance Languages, 1900-01. L.B., University of Wisconsin, 1898, and L.M., 1900. Graduate Student, University of Wisconsin, 1899-1900; Assistant Principal of the High School, Grand Rapids, Wis., 1902-03.

Married, 1904, *Mr. Richard Strauss*.

SHEARER, EDNA ASTON, ...See page 24.

Fellow in Philosophy, 1904-05, 1906-07.

SHEAVYN, PHOEBE A. B.,

Ashburne House, Victoria Park, Manchester, England.

Fellow in English, 1895-96. Scholar, University College of Wales, Aberystwyth, Wales, 1887-89, and 1892-94; B.A., University of London, 1889; M.A., 1894, and D.Litt., 1906. Member of Governing Court of University of Wales; Reader in English, Bryn Mawr College, 1894-95; Lecturer and Tutor in English Literature to the Association for Promoting the Education of Women in Oxford, England, 1896-1905; Resident Tutor and Lecturer in English, Somerville College, University of Oxford, England, 1897-1905; Member of Governing Committee of Women's University Settlement, Southwark, London, Member of Council of University College of Wales, Tutor for Women Students, University of Manchester, Warden of Ashburne House, Hall of Residence and Lecturer in English Literature, 1907-08.

SHUTE, HELEN WINIFRED, ...25 Fourth Street, Bangor, Me.
Fellow in Teutonic Philology, 1893-94. A.B., Smith College, 1887. Assistant in German, Smith College, 1887-93; Fellow by Courtesy in Teutonic Philology, Bryn Mawr College, 1894-95; Student in Teutonic Philology, University of Göttingen, 1895-99; Alumnae Trustee of Smith College, 1902-05.
Married, 1900, *Mr. Warren J. Moulton*.

SINCLAIR, ALICE, ...Wailuku, Maui, H. I.
Fellow in Teutonic Philology, 1903-04. Ph.B., Oberlin College, 1899. Teacher of German and Science in the Kent Place School, Summit, N. J., 1900-02; Student, University of Marburg, 1902-03; Teacher of German and English, Brockport State Normal School, Brockport, N. Y., 1904-05, and of French and German, 1905-06.
Married, 1906, *Mr. Rowland Bacchus Dodge*.

SMITH, AMELIA CATHERINE, ...4003 Powelton Avenue, Philadelphia.
Fellow in Biology, 1900-01. S.B., University of Pennsylvania, 1899. Graduate Scholar in Biology, Bryn Mawr College, 1899-1900; Demonstrator in Zoology, University of Pennsylvania, 1901-02; Graduate Student, University of Pennsylvania, 1904-06.
Married, 1901, *Mr. Philip Powell Calvert*.

SMITH, MINNA STEELE, ...Newnham College, Cambridge, England.
Fellow in Teutonic Philology, 1894-96. Newnham College, University of Cambridge, England, 1890-94; Mediæval and Modern Languages Tripos, First Class, 1893. Assistant Lecturer in English, Newnham College, 1896-98; Staff Lecturer in Mediæval and Modern Languages, Newnham College, 1898-1903, and Head Lecturer in Mediæval and Modern Languages, 1905-06; Lecturer in English, Girton College, University of Cambridge, 1898-1903.

SOUTHWORTH, EFFIE A., ...420 East 4th Street, Tucson, Ariz.
Fellow in Biology, 1885-86. S.B., University of Michigan, 1885. Student Assistant in the Biological Laboratory, Bryn Mawr College, 1886-87; Assistant Mycologist of the United States Agricultural Bureau, Washington, D. C., 1887-92; Assistant in Botany, Barnard College, 1892-95.
Married, 1896, *Mr. Volney Morgan Spalding*.

STEVENS, NETTIE MARIA, ...See page 25.
Fellow in Biology, 1902-03.

STEWART, ANNE AMELIA, ...28 South Street, Halifax, N. S., Canada.
Fellow in Mathematics, 1886-87. University College, London, 1880-82; B.Sc., Dalhousie College, 1886. Teacher of Mathematics in Miss Mary E. Stevens's School, Germantown, Philadelphia, 1888-93, 1895-96; Student in Mathematics and Physics, Newnham College, University of Cambridge, England, 1893-95; Teacher of Mathematics in the Stevens School, Germantown, 1896-99; Private Tutor, 1901-03; Teacher of Mathematics, St. Margaret's College, Toronto, Canada, 1903-04; Teacher of Mathematics, Miss Knox's School, Briarcliff Manor, N. Y., 1905-06.

STREET, JENNETTE ATWATER,
Care of Professor E. C. Jeffrey, Harvard University, Cambridge, Mass.

Fellow in Latin, 1895-96. A.B., University of Toronto, 1895. Teacher of Classics, St. Margaret's College, Toronto, Canada, 1897-1901.
Married, 1901, *Professor Edward C. Jeffrey*.

SWEET, MARGUERITE, ...250 W. 72nd Street, New York City.
Fellow in English, 1891-92. A.B., Vassar College, 1887; Ph.D., Bryn Mawr College, 1892, subjects, English and Teutonic Philology. Graduate Student in Teutonic Philology and English, Bryn Mawr College, 1889-90, and Graduate Scholar in Teutonic Philology, 1890-91; Instructor in English, Vassar College, 1892-97; Professor of English Literature, Mt. Holyoke College, 1897-99; Teacher of English in the Misses Ely's School, New York City, 1899-1905; Principal of the Hawthorne School, New York City, 1906-08.

THOMPSON, CHARLOTTE DE MACKLOT,

1408 Park Avenue, Baltimore, Md.

Fellow in Romance Languages, 1896-97. A.B., Bryn Mawr College, 1896, group, Greek and French, and A.M., 1897. Student in Old Spanish under Prof. A. Marshall Elliott, Baltimore, and Assistant in English, Bryn Mawr School, Baltimore, 1897-98; Student, Newnham College, University of Cambridge, England, 1898-99; University of Oxford, 1899-1901.

TIBBALS, KATE WATKINS, ... West Norwood, N. J.

Fellow in English, 1901-02. A.B., Wellesley College, 1899; Ph.D., University of Pennsylvania, 1904. Graduate Scholar in English, Bryn Mawr College, 1900-01; Fellow in English, University of Pennsylvania, 1902-03, and Graduate Student, 1903-04; Instructor in English, Wellesley College, 1904-05; Instructor in English Literature, Vassar College, 1905-08.

TORELLE, ELEN, ... 1017 14th Avenue, S. E. Minneapolis, Minn.

Fellow in Biology, 1903-04. Ph.B., University of Minnesota, 1901, and A.M., 1902. Graduate Scholar, Bryn Mawr College, 1902-03; Dean of Milwaukee-Downer College and Professor of Biology, 1905-08.

TOWLE, ELIZABETH WILLIAMS, ... Bryn Mawr, Pa.

Fellow in Biology, 1899-1900. A.B., Bryn Mawr College, group, Chemistry and Biology, and A.M., 1899. Graduate Scholar in Physics and Biology, Bryn Mawr College, 1898-99; Teacher of Science in the High School, Middletown, Conn., 1900-01; Instructor in Biology, Rockford College, Rockford, Ill., 1901-03; Fellow in Physiology, University of Chicago, 1903-04; Graduate Student, Columbia University, 1904-06; Teacher of Physiology in Miss Jacobi's School, New York City, 1904-05; Teacher of Science in the Baldwin School, Bryn Mawr, 1907-08.

TRAVER, HOPE, ... See page 25.

Fellow in English, 1903-04.

URDAHL, MARGERETHE, ... Charleston, Ill.

Fellow in Teutonic Philology, 1900-02, and Special Fellow in Teutonic Philology, 1902-03. L.B., University of Wisconsin, 1896, and Ph.D., Bryn Mawr College, 1904, subjects, Teutonic Philology, German Literature and Sanscrit. Student, University of Berlin, 1898 and 1899; University of Heidelberg, Summer Term, 1899; University of Christiania, October, 1899; Teacher of German and Latin in the Cheltenham Hills School, Wyncote, Pa., 1903-04; Teacher of German and History, Eastern Illinois State Normal School, Charleston, Ill., 1905-06.

Married, 1906, *Mr. Lewis Albert Anderson*.

VANDEMAN, ESTHER BOISE, ... 2514 13th Street, Washington, D. C.

Fellow in Latin, 1892-93. A.B., University of Michigan, 1891, and A.M., 1892; Ph.D., University of Chicago, 1898. Instructor in Latin, Wellesley College, 1893-95; Teacher of Latin in the Bryn Mawr School, Baltimore, Md., 1895-96; Fellow in Latin, University of Chicago, 1896-98; Acting Professor of Latin, Mt. Holyoke College, 1898-99, and Associate Professor of Latin, 1899-1901; American School of Classical Studies, Rome, 1901-03; Associate Professor of Latin, the Woman's College, Baltimore, 1903-06; Fellow in Classical Archaeology of the Carnegie Institute, Rome, 1906-08.

WADDELL, MARY EVELYN GERTRUDE, ... Orono, Ontario, Canada.

Fellow in Mathematics, 1904-05. A.B., University of Toronto, 1903, and A.M., 1904. Graduate Scholar in Mathematics and Physics, Bryn Mawr College, 1903-04; Instructor in Mathematics in St. Margaret's College, Toronto, and Graduate Student, University of Toronto, 1906-08.

WALKER, ANNA MARTHA, ... Glen Moore, Pa.

Fellow in Latin, 1905-06. A.B., Bryn Mawr College, 1895, group, Greek and Latin; A.M., Leland Stanford, Jr., University, 1901. Teacher of English in the National Institute for Girls, Guatemala City, Central America, 1896-97; Graduate Student, Leland Stanford, Jr., University, 1897-98, 1900-01; Graduate Student, Bryn Mawr College, Second Semester, 1898-99; Teacher in the Misses Wyllie's School, Mt. Holly, N. J., 1899-1900; Teacher of Latin and French in the High School, Ogden, Utah, 1901-02, and Teacher of Latin and Spanish, 1902-04; Student, American School of Classical Studies, Rome, 1904-05; Teacher of Greek in the High School, Los Angeles, Cal., 1906-08.

WARREN, WINIFRED, ... See page 25.
Fellow in Latin, 1893-94.

WERGELAND, AGNES MATHILDE, ... 5726 Monroe Avenue, Chicago, Ill.
Fellow in History, 1890-91. Studied under the direction of Prof. Konrad Maurer, Munich, 1884-86; University of Zürich, 1888-90; Ph.D., University of Zürich, 1890. Reader in History of Art, Bryn Mawr College, 1891-93; Docent in History, University of Chicago, 1896-1903, and Non-Resident Reader in History, University Extension Division, 1903-05.

WILKINSON, ANNIE LYNDESAY,
623 Westview Street, Germantown, Philadelphia.
Fellow in Mathematics, 1899-1900. A.B., Vassar College, 1897, and A.M., 1898. Graduate Scholar, Vassar College, 1897-98. Babbott Fellow of Vassar College, and Graduate Scholar in German and Mathematics, Bryn Mawr College, 1898-99; Instructor in Mathematics, Vassar College, 1900-02. Married, 1902, *Mr. Joseph Head*.

WILLIAMS, ELLA C., ... 106 West 49th Street, New York City.
Fellow in Mathematics, 1885-86. A.M., University of Michigan, 1880. Studied under Professor Schwarz, Göttingen, Germany, 1883-85; Newnham College, University of Cambridge, England, Spring Term, 1884; Teacher of Mathematics in Miss Moses's School, New York City, 1886-87; Teacher of Mathematics in the State Normal School, Plymouth, N. H., 1887-89; Teacher of Mathematics in Miss Spence's School, New York City, 1896-98, 1903-05.

WILLIS, GWENDOLEN BROWN, ... 941 Lake Avenue, Racine, Wis.
Fellow in Greek, 1902-04. A.B., University of Chicago, 1896. Ph.D., Bryn Mawr College, 1906, subjects, Greek and Archaeology. Graduate Student, University of Chicago, 1900-01; American School of Classical Studies, Athens, 1901-02; Teacher of Greek and Latin, Milwaukee-Downer College, 1904-07.

WINSTON, MARY FRANCES, 1702 Massachusetts Street, Lawrence, Kan.
Fellow in Mathematics, 1891-92. A.B., University of Wisconsin, 1889; Ph.D., University of Göttingen, 1897; Teacher of Mathematics, Downer College, 1889-91; Honorary Fellow in Mathematics, University of Chicago, 1892-93; Holder of the European Fellowship of the Association of Collegiate Alumnae, 1895-96; Student in Mathematics, University of Göttingen, 1893-96; Professor of Mathematics, Kansas State Agricultural College, 1897-1900.
Married, 1900, *Mr. Henry Byron Newson*.

WOOD, IDA, ... 2038 Spring Garden Street, Philadelphia.
Fellow in English, 1888-89. A.B., Vassar College, 1877, and A.M., 1889; Ph.D., Bryn Mawr College, 1891. Graduate Student in English, Bryn Mawr College, 1887-88, 1889-90, and Fellow by Courtesy in English, 1890-91; Secretary of the Woman's Department, University of Pennsylvania, 1892-93; Secretary of the Bryn Mawr School, Baltimore, Md., 1894-96.

SUMMARY OF FELLOWSHIPS AWARDED.

EUROPEAN FELLOWSHIPS.	Founded.	Held by
Bryn Mawr European.....	By the Trustees in 1885...	18 students
Mary E. Garrett European.	By Miss Garrett in 1894...	13 students
President M. Carey Thomas		
European	By Miss Garrett in 1896...	11 students
Bryn Mawr Research.....	By Anonymous Donor, 1906.	1 student
Total number of European Fellows		43
RESIDENT FELLOWSHIPS.	Founded by the Trustees in	Held by
In Greek	1885.....	20 students
In Latin	1892.....	14 students
In English	1885.....	*18 students
In Teutonic Philology	1893.....	9 students
In Romance Languages	1893.....	10 students
In History and Economics and		
Politics	1885.....	21 students
In Philosophy	1896.....	6 students
In Mathematics	1885.....	17 students
In Physics	1896.....	8 students
In Chemistry	1893.....	12 students
In Biology	1885.....	17 students
Total number of Resident Fellows		152
Total		†195

*Two students have held Fellowships in English who also held Fellowships in other subjects.

†Of these twenty-three have held both European and Resident Fellowships.

BRYN MAWR COLLEGE.

GRADUATE COURSES OF INSTRUCTION.

BRYN MAWR COLLEGE, situated at Bryn Mawr, Pennsylvania, five miles from Philadelphia, was endowed by Dr. Joseph W. Taylor, of Burlington, New Jersey, who purposed founding an institution of learning for the advanced education of women which should afford them "all the advantages of a college education that are so freely offered to young men." In the spring of 1885 the first program was issued, and the college opened for instruction in the following autumn.

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers. For the convenience of graduate students the regulations of the graduate department and the graduate courses of instruction are published separately. No undergraduates are admitted to graduate courses.

Regulations of the Graduate Department.

From the first it has been the policy of the Trustees of Bryn Mawr College to organise no department in which they could not provide for graduate as well as undergraduate study. Only such instructors have been chosen as are qualified to direct both graduate and undergraduate work. In each department a consecutive series of graduate courses pursued throughout three years provides preparation in the chief or major subject of the examination for the degree of Doctor of Philosophy, and certain courses may be pursued for one or two years and offered as one of the two minor or secondary subjects.

Admission.

Graduate students must have presented a diploma from some college of acknowledged standing.* They may pursue any

* The certificates of the women's colleges of the English universities of Oxford and Cambridge, are regarded as equivalent to a first degree,—i. e. to the degree of Bachelor of Arts.

courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses. They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs will be considered in the arrangement of new courses of lectures; they must consult the President in regard to the courses they are to pursue, and must be duly registered for those courses at the President's office.

A reading knowledge of French and German is regarded as of the utmost importance to all graduate students, and is required of all candidates for a second degree. The undergraduate department will afford the student every opportunity for making good any deficiencies in this respect.

Fellowships and Scholarships.

The most distinguished place among the graduate students is held by the Fellows, who must reside in the college during the academic year. Eleven resident fellowships, of the value of five hundred and twenty-five dollars each, are awarded annually in Greek, Latin, English, German and Teutonic Philology, Romance Languages, History or Economics and Politics, Philosophy, Mathematics, Physics, Chemistry, and Biology. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work after obtaining their first degree. The fellowships are intended as an honor, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success.

The holder of a fellowship is expected to devote at least one half her time to the department in which the fellowship is awarded, and to show, by the presentation of a thesis or in some other manner, that her studies have not been without result.

All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

A Research Fellowship in Chemistry has been founded and has been awarded for the first time in 1907. It is open to graduate students who have received the degree of Doctor of Philosophy or who have completed equivalent work. The fellowship is of the value of seven hundred and fifty dollars, and the holder is required to reside at Bryn Mawr College for one year and to assist the head of the Department of Chemistry in research work.

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of special libraries in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the president's office; they are not permitted, while holding the fellowship, to teach, or to undertake any other duties in addition to their college work. Fellows are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of four hundred and five dollars for tuition, board, room rent, and infirmary fee.

Twenty Graduate Scholarships, of the value of two hundred dollars each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing. Scholars are expected to reside in the college, to attend all college functions, to wear academic dress and to assist in the conduct of examinations.

Application for resident fellowships or scholarships should be made as early as possible to the President of the College, and must be made not later than the fifteenth of April preceding the academic year for which the fellowship or scholarship is desired. Blank forms of application will be forwarded to the applicants. A definite answer will be given within two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application, will be returned, when

stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials from professors and instructors will be filed for reference.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of seven hundred dollars applicable to the expenses of one year's study and residence at some German university is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College. The fellowship will be awarded to the candidate who has pursued the most advanced work, or whose studies afford the most promise of future success. She must show such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German.

Two European fellowships, founded by Miss Garrett, of Baltimore, are open to graduate students who are enrolled as candidates for the degree of Doctor of Philosophy. One, founded in 1896, and named by the donor the President M. Carey Thomas Fellowship, is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College; the other, founded in 1894, and known as the Mary E. Garrett Fellowship, is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. These fellowships, of the value of five hundred dollars each, are intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

Studies Leading to a Second Degree.

Graduates of Bryn Mawr College, and graduates of other colleges, who shall have satisfied the Academic Council that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given at Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Doctor of

Philosophy and Master of Arts; admission to the graduate school does not, in itself, qualify a student to become a candidate for this degree. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

The Degree of Master of Arts.

The candidate for the degree of Master of Arts must be a Bachelor of Arts of Bryn Mawr College and must have studied for one full year in the graduate school of Bryn Mawr College, devoting herself to systematic advanced work approved by the Graduate Committee of the Academic Council. The candidate must submit her proposed course of study for the approval of this committee on or before the second Wednesday in November. She must pass a special written examination on each subject to the satisfaction of the department in which she has studied, and must announce her candidacy to the President not later than the first day of May in the academic year in which the degree is to be conferred.

The Degree of Doctor of Philosophy and Master of Arts.

The degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study.

The candidate must have pursued for at least three years, after having received the first degree, a course of liberal (non-professional) study at some college or university approved by the Academic Council, and must have spent at least two of these years at Bryn Mawr College. The course of study leading to the degree of Doctor of Philosophy and Master of Arts must consist of one principal, or major, subject and one or two subordinate, or minor, subjects and must be divided between at least two departments. Two-thirds of the candidate's time should be spent on the major subject and the remaining one-third on the minor subject or subjects, and the suggested combination of major and minor subjects for the final examination must

have been submitted for approval to the Graduate Committee. The candidate may be required to pursue certain auxiliary studies in connection with the subject that she has elected; and the degree of Doctor of Philosophy is given to no one who cannot read French and German, or who is unacquainted with Latin. The candidate must have written, on some subject connected with her major subject of study, a dissertation approved by the Faculty that bears satisfactory evidence of original research and must pass written examinations and an oral examination in the presence of the members of the Faculty on both major and minor subjects. These examinations are held after the dissertation has been accepted by the department in which it is offered and must be taken within the academic year in which the candidate applies for the degree. The degree is not conferred until the candidate has satisfied the above requirements and deposited one hundred and fifty printed copies of her dissertation, bound according to a prescribed model, in the office of the Secretary of the College. The degree of Doctor of Philosophy will in no case be conferred by the college as an honorary degree.

Expenses.

The charge for tuition for graduate students attending six or more hours a week of lectures and for fellows and graduate scholars is one hundred and twenty-five dollars a year, payable half-yearly in advance. Those graduate students who do not take the full amount of work are charged for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures, forty dollars a semester, payable in advance.* This

* Graduate students are admitted to residence or attendance on the lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board, room rent and tuition.

The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate student is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition, with no extra charge except the laboratory fee. Students doing laboratory work only are charged the following tuition fee: for each two and one-

arrangement is made especially for non-resident students, but those who wish to take only five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office.

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses, or its equivalent in laboratory courses, are charged a laboratory fee of eighteen dollars a semester, with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week, the laboratory fee is reduced to twelve dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above, amounting to ten hours a week, the laboratory fee is reduced to six dollars a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, are charged a laboratory fee of ten dollars a semester for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

In courses in Geology each hour of field work counts as one hour of laboratory work.

Residence.

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. The expense of board and residence in the graduate wings of the college halls is two hundred and seventy-five dollars. Of this amount two hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating, and light.

The health of the students is under the charge of Dr. Ella B. Everitt, Visiting Physician of the College, and Dr. Thomas F. Branson, of Rosemont, Attending Physician of the College. Dr.

half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees, as stated on page 49, are charged in addition.

Everitt, a physician practising in Philadelphia, spends two afternoons a week from four to six, at her office in the College, and may be consulted by the students free of charge. She may also be consulted at other times by appointment.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students' Association for Self-Government. All resident students of Bryn Mawr College, whether graduates or undergraduates, are members of this association.

In 1893 the Bryn Mawr Graduate Club was organised by the graduate students then in residence, its object being to further the social life of the graduate students and to facilitate interchange of opinion with other colleges and universities doing graduate work. A room in Denbigh Hall is set apart by the college to be used by the members as a club-room. Informal meetings are frequently held in these rooms, and several times during the year the club invites the Faculty and friends of the college to larger social gatherings, which are addressed by well-known speakers.

Plans of the six halls of residence, with a full account of the halls and tariff of rooms, may be obtained by application to the Secretary of the College. Each of these halls (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, and provides accommodation for from fifty to eighty students; in each hall, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings.

Application for rooms should be made as early as possible. The demand for graduate rooms is very great, and since every room unnecessarily reserved may prevent some other student from entering the college, a deposit of fifteen dollars is required in order that the application may be registered. In case the applicant enters the college in the year for which the room is reserved, the amount of the deposit is deducted from the first college bill. If she changes the date of her application or files formal notice of withdrawal at the secretary's office before July

fifteenth of the year for which the application is made, the deposit will be refunded. If, for any reason whatever, the change or withdrawal be made later than July fifteenth, the amount will be forfeited. Students making application for a room in February forfeit the deposit if they do not file formal notice of withdrawal at the secretary's office before December first of the academic year for which the room is reserved. In order to make application for a room it is necessary to sign a room-contract, which will be sent on application, and return it with the fee of fifteen dollars to the Secretary of the College. A deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year. This sum will be forfeited if formal notice of withdrawal is not filed at the secretary's office on or before May first of the current year.

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year. Every applicant for a room in February will be responsible for the rent of the room or suite of rooms assigned to her for one semester, unless she gives formal notice of withdrawal to the Secretary before the first of January. The charges for room rent are not subject to remission or deduction under any circumstances, being considered forfeit in case of withdrawal for any cause whatever. The applicant is not entitled to relet the rooms thus left vacant, but this right the college reserves to itself. No refund will be made to the applicant in case the room or suite of rooms thus left vacant are relet by the college. Any student who changes her room is required to pay an extra fee of fifteen dollars.

Students are expected to provide their own rugs and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam. The air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. The students' personal washing may be done by any laundry recommended by the college for 50 cents a dozen, or about \$8 a half-year for one dozen pieces a week.

No charge is made for sending meals to students that are in the infirmary by the order of a physician.

Accommodation is provided for students that wish to remain at the college during the Christmas and Easter vacations at a rate proportional to that paid by them for board and residence during the college year.

The charge for tuition is \$125 a year, payable half-yearly in advance.

The charge for residence in the graduate wings of the college halls, exclusive of board, is \$75 a year, payable in advance.

The charge for board is \$200 a year, payable half-yearly in advance. For every student in residence there is a fee of \$5.00, payable in advance, for the support of the college infirmary and the payment of trained nurses. The fee for graduation is \$20. For laboratory charges, see page 49.

The charges for room-rent for the year, and for tuition and board for the first semester must be paid at the Bursar's office before November 1st; the charges for tuition and board for the second semester must be paid before March 1st. The charges for tuition and room-rent are not subject to return or deduction under any circumstances; in case of prolonged illness and absence from the college extending over six weeks or more a proportional reduction in the charge for board will be made. Students whose fees are not paid by the dates above specified will not be allowed to continue in residence or in attendance on their lectures.

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The Fund is managed by a committee consisting of the President of the College and representatives of the Alumnae Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnae Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Miss Helen S. Hoyt, care of Brown, Shipley & Co., 123 Pall Mall, London, England; Miss Mary Taylor Mason, School House Lane, Germantown, Philadelphia; Mrs. Herbert Seymour Darlington, Villa Nova, Pa., and Miss Frances Simpson, Merion, Pa. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Treasurer of the committee, and all applications for loans for any given year should be made before May 1st of the preceding academic year.

Libraries.

The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as of those of the college proper.

The college library has been collected within the past twenty-three years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about fifty-

five thousand bound volumes, and eight thousand five hundred doctors' dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 60 and 83.

The sum of four thousand five hundred dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, over eighteen thousand dollars has been presented to the library during the past nine years for expenditure in special departments. Three hundred and sixty-five publications and reviews in the English, German, Greek, French, Italian, Spanish, Norse, and Swedish languages, are taken by the library, as follows:

General and Miscellaneous Periodicals.

Abhandlungen der philologisch-historischen Klasse der königlich-sächsischen Gesellschaft der Wissenschaften (Leipsic).	Göttingische Gelehrte Anzeigen.
Academy.	Harper's Monthly Magazine.
Annales Politiques et Littéraires.	Harper's Weekly.
Athenæum.	Harvard Graduate Magazine.
Atlantic Monthly.	Jahresverzeichniss der an den deutschen Schulanstalten erschienenen Abhandlungen.
Beilage zur Allgemeinen Zeitung.	*Johns Hopkins University, Circulars.
*Bibliothèque de la Faculté des Lettres de l'Université de Paris.	Library Journal.
*Book News Monthly.	Mercure de France.
Bookman.	Mind and Body.
Bookman (English).	Monthly Bulletin of the Carnegie Library of Pittsburgh.
Bookseller.	Nachrichten von der königlichen Gesellschaft der Wissenschaften, Göttingen.
*Bryn Mawr Alumnae Quarterly.	Nation.
*Bulletin of Bibliography.	Nationale Deutschland.
*Bulletin of the New York Public Library.	Neue Rundschau.
*Carnegie Institution of Washington, Publications.	Nineteenth Century.
Century.	North American Review.
*Columbia University Quarterly.	Nuova Antologia.
Contemporary Review.	Outlook.
Country Life in America.	Preussische Jahrbücher.
La Cultura.	Publishers' Weekly.
Cumulative Book Index.	Punch.
Deutsche Rundschau.	Putnam's Monthly and the Critic.
Dial.	Quarterly Review.
Fortnightly Review.	Reader's Guide to Periodical Literature.
Forum.	Review of Reviews.

*Presented by the Publishers.

Revue Critique d'Histoire et de Littérature.
 Revue de Paris.
 Revue des Deux Mondes.
 Revue Polittique et Littéraire: Revue Bleue.
 Saturday Review.
 Scribner's Magazine.
 Sitzungsberichte der königlich preussischen Akademie der Wissenschaften (Berlin).

Sitzungsberichte der philosophisch-philologischen und der historischen Klasse der k. b. Akademie der Wissenschaften zu München.
 Spectator.
 Der Türmer.
 *Vanderbilt University Quarterly.
 Westminster Review.
 Die Woche.
 World's Work.

Newspapers.

New York Evening Post.
 New York Times.

New York Tribune.
 Philadelphia Public Ledger.

Art and Archæology.

American Journal of Archæology.
 Bulletin de Correspondance hellénique.
 *Bulletin of the Metropolitan Museum of Art, New York.
 Burlington Magazine.
 Ephemeris Archæologike.
 Jahrbuch des Kaiserlich deutschen archäologischen Instituts.
 Jahresbericht über die Fortschritte der classischen Alterthumswissenschaft.
 Jahreshefte des österreichischen archäologischen Institutes in Wien.
 Journal of Hellenic Studies.

Mittheilungen des Kaiserlich deutschen archäologischen Instituts, Athenische Abteilung.
 Mittheilungen des Kaiserlich deutschen archäologischen Instituts, Römische Abteilung.
 Museum of Fine Arts Bulletin, Boston.
 Neue Jahrbücher für das klassische Altertum Geschichte und deutsche Literatur.
 Recueil d'Archæologie Orientale.
 Revue Archéologique.
 Zeitschrift des deutschen Palästina Vereins.

Economics and Politics.

*Advocate of Peace.
 Allgemeines statistisches Archiv.
 American Federationist.
 American Journal of Sociology.
 American Political Science Review.
 Annals of the American Academy of Political and Social Science.
 Bibliographia Economica Universalis.
 *Bulletin of the New York State Department of Labor.
 *Bulletin of the University of Wisconsin, Economics and Political Science Series.
 Charities.
 Columbia Law Review.
 Economic Journal.
 Economic Review.
 Harvard Law Review.
 International Socialist Review.
 Jahrbücher für Nationalökonomie u. Statistik.

Johns Hopkins University Studies in Historical and Political Science.
 Journal of Political Economy.
 Journal of the Royal Statistical Society.
 *Open Shop.
 Political Science Quarterly.
 Publications of the American Economic Association.
 Publications of the American Statistical Association.
 Quarterly Journal of Economics.
 Revue Bibliographique.
 *Southern Workman.
 *University of Missouri Studies, Social Science Series.
 Vierteljahrschrift für Philosophie u. Soziologie.
 Yale Review.
 Zeitschrift für Socialwissenschaft.
 Zeitschrift für Volkswirtschaft, Social-politik u. Verwaltung.

Education.

Education.
 Educational Review.
 Educational Times.
 Elementary School Teacher.
 Journal of Pedagogy.
 Pedagogical Seminary.
 *Proceedings of the Association of
 Colleges and Preparatory Schools
 of the Middle States and Mary-
 land.

Publications of the Association of
 Collegiate Alumnae.
 Revue Internationale de l'Enseigne-
 ment Supérieur.
 Revue Universitaire.
 School Review.
 *University of California Publica-
 tions, Education.

History.

American Historical Review.
 *Bulletin of the University of Wis-
 consin. History Series.
 English Historical Review.
 Historische Vierteljahrschrift.
 Historische Zeitschrift.

Klio, Beiträge zur alten Geschichte.
 Pennsylvania Magazine of History.
 Révolution Française.
 Revue des Questions Historiques.
 Revue Historique.

Philology and Literature, Classical.

Archiv für lateinische Lexicographie.
 Bulletin Bibliographique et Péda-
 gogique du Musée Belge.
 Classical Journal.
 Classical Philology.
 Classical Quarterly.
 Classical Review.
 Harvard Studies in Classical Philol-
 ogy.
 Hermes.
 Mnemosyne.

Le Musée Belge, Revue de Philolo-
 gie Classique.
 Philologische Untersuchungen.
 Revue des Etudes Grecques.
 Rheinisches Museum für Philologie.
 Studi Italiani di Filologia Classica.
 Wiener Studien, Zeitschrift für clas-
 sische Philologie.
 Wochenschrift für klassische Philolo-
 gie.

Philology and Literature, General and Comparative.

American Journal of Philology.
 Beiträge zur Kunde der indogerman-
 ischen Sprachen.
 Berliner philologische Wochen-
 schrift.
 Indogermanische Forschungen.
 Journal of Philology.
 Memoires de la Société neo-philolo-
 gique à Helsingfors.
 Philologus.
 Revue de Philologie.

Rivista di Filologia.
 Transactions of the American Philo-
 logical Association.
 Zeitschrift für das Gymnasialwesen.
 Zeitschrift für die österreichischen
 Gymnasien.
 Zeitschrift für vergleichende Litera-
 turgeschichte.
 Zeitschrift für vergleichende Sprach-
 forschung.

Philology and Literature, Modern.

Anglia.
 Anglistische Forschungen.
 Archiv für das Studium der neueren
 Sprachen.
 Archivio Glottologico Italiano.
 Arkiv for Nordisk Filologi.
 Beiblatt zur Anglia: Mitteilungen
 über englische Sprache und Lit-
 teratur.

Beiträge zur Geschichte der deut-
 schen Sprache und Literatur.
 Bulletin de la Société des Anciens
 Textes Français.
 Bulletin hispanique.
 Chaucer Society, Publications (Both
 series).
 Deutsche Litteraturzeitung.
 Dialect notes.

Early English Text Society Publications (Both series).
 Englische Studien.
 Euphorion.
 German American Annals.
 Giornale Dantesco.
 Giornale Storico della Letteratura Italiana.
 Goethe Jahrbuch.
 Jahrbuch der deutschen Shakespeare Gesellschaft.
 Jahrbuch des Vereins für niederdeutsche Sprachforschung.
 Jahresbericht über die Erscheinungen auf dem Gebiete der germanischen Philologie.
 Journal of Germanic Philology.
 Korrespondenzblatt des Vereins für niederdeutsche Sprachforschung.
 Kritischer Jahresbericht über die Fortschritte der romanischen Philologie.
 Literarisches Centralblatt.
 Literaturblatt für germanische und romanische Philologie.
 Le maître Phonétique.
 Modern Language Notes.
 Modern Language Review.
 Modern Philology.
 Münchener Beiträge zur romanischen und englischen Philologie.

Palaestra.
 Poet-lore.
 Publications of the Modern Language Association.
 Quellen und Forschungen zur Sprach- und Culturgeschichte der germanischen Völker.
 Rassegna Bibliografica.
 Revue d'Histoire Littéraire de la France.
 Revue des Etudes Rabelaisiennes.
 Revue Germanique.
 Revue Hispanique.
 Romania.
 Romanische Forschungen.
 Schriften der Goethe Gesellschaft.
 Scottish Text Society, Publications.
 Société des Anciens Textes Français, Publications.
 Société des Textes Français Modernes, Publications.
 Studi Medievali.
 Zeitschrift für den deutschen Unterricht.
 Zeitschrift für deutsche Philologie.
 Zeitschrift für deutsches Altertum und deutsche Literatur.
 Zeitschrift für französische Sprache und Literatur.
 Zeitschrift für romanische Philologie.

Philology and Literature, Semitic.

American Journal of Semitic Languages and Literatures.
 Recueil de Travaux relatifs à la Philologie et à l'Archéologie égyptiennes et assyriennes.

Zeitschrift für ägyptische Sprache und Altertumskunde.
 Zeitschrift für Assyriologie.

Philosophy and Psychology.

American Journal of Psychology.
 Année Psychologique.
 Archiv für die gesammte Psychologie.
 Archiv für Geschichte der Philosophie.
 Archiv für systematische Philosophie.
 Archives de Psychologie.
 Archives of Psychology.
 British Journal of Psychology.
 Bulletin de l'Institut Psychologique.
 International Journal of Ethics.
 Journal de Psychologie.
 Journal für Psychologie und Neurologie.

Journal of Philosophy, Psychology and Scientific Methods.
 Mind.
 Monist.
 Philosophical Magazine.
 Philosophical Review.
 Psychological Bulletin.
 Psychological Review.
 Psychological Review; Psychological Index.
 Psychological Review; Monograph Supplements.
 Psychologische Arbeiten.
 Psychologische Studien.
 Revue de l'Hypnotisme.
 Revue de Metaphysique.

Revue Philosophique.
 Vierteljahrsschrift für wissenschaft-
 liche Philosophie.
 Zeitschrift für Psychologie und
 Physiologie der Sinnesorgane: 1
 abt., Zeitschrift für Psychologie.

Zeitschrift für Psychologie und
 Physiologie der Sinnesorgane: 2
 abt., Zeitschrift für Sinnesphy-
 siologie.

Religion.

*American Friend.
 American Journal of Religious Psy-
 chology and Education.
 American Journal of Theology.
 *Baptist Missionary Magazine.
 Biblical World.
 Bibliotheca Sacra.
 *Chicago Seminary Quarterly.
 *Deaconess' Advocate.
 Expositor.
 Expository Times.
 *Friends' Missionary Advocate.

*Hartford Seminary Record.
 Harvard Theological Review.
 Journal of Biblical Literature.
 Journal of Theological Studies.
 Proceedings of the Society of Bib-
 lical Archæology.
 *Publications of the American Jewish
 Historical Society.
 Religious Education.
 Revue Biblique.
 *Spirit of Missions.
 *Woman's Missionary Friend.

Science, Biology.

American Journal of Anatomy.
 American Journal of Physiology.
 American Naturalist.
 Anatomischer Anzeiger.
 Archiv für Anatomie und Physiolo-
 gie.
 Archiv für die gesammte Physiologie.
 Archiv für Entwicklungsmechanik
 der Organismen.
 Archiv für mikroskopische Anato-
 mie.
 Archiv für Protistenkunde.
 Bibliographia Physiologica.
 Biologisches Centralblatt.
 Biometrika.
 Botanische Zeitung. 1. abtheilung.
 Botanische Zeitung. 2. abtheilung.
 Botanisches Centralblatt.
 Centralblatt für Physiologie.
 Jahrbücher für wissenschaftliche
 Botanik.

Journal de Physiologie.
 Journal of Experimental Zoology.
 Journal of Physiology.
 *Journal of the Academy of Natural
 Sciences of Philadelphia.
 Journal of the Royal Microscopical
 Society.
 Mittheilungen aus der zoologischen
 Station zu Neapel.
 *Proceedings of the Academy of Nat-
 ural Sciences of Philadelphia.
 Quarterly Journal of Microscopical
 Science.
 *University of California Publica-
 tions, Physiology.
 *University of California Publica-
 tions, Zoology.
 Zeitschrift für wissenschaftliche
 Zoologie.
 Zoologischer Anzeiger.

Science, General.

American Journal of Science.
 Atti della Reale Accademia della
 Scienze di Torino.
 Bulletin de l'Académie imperiale des
 sciences de St. Pétersbourg.
 *Bulletin of the University of Wis-
 consin, Science Series.
 *Bulletin of the University of Wis-
 consin, Engineering Series.

Comtes Rendus des Séances de
 l'Académie des Sciences.
 *Kansas University, Science Bul-
 letin.
 Nature.
 Philosophical Transactions of the
 Royal Society of London.
 Popular Science Monthly.

Proceedings of the American Philosophical Society.
 Proceedings of the Royal Society of London.
 Science.

*Technology Review.

*University of Missouri Studies, Science Series.

Verhandlungen der physikalisch-medizinischen Gesellschaft zu Würzburg.

Science, Geology and Geography.

Centralblatt für Mineralogie.
 Economic Geology.
 Geographical Journal.
 Geological Magazine.
 Geologisches Centralblatt.
 Journal of Geography.
 Journal of Geology.
 Meteorologische Zeitschrift.
 Mineralogical Magazine.

Mineralogische und petrographische Mittheilungen.
 National Geographic Magazine.
 Neues Jahrbuch für Mineralogie, Geologie und Paläontologie.
 Philadelphia Geographical Society Bulletin.
 Quarterly Journal of the Geological Society.

*U. S. Monthly Weather Review.

Mathematics, Chemistry, and Physics.

Acta Mathematica.
 American Chemical Journal.
 American Journal of Mathematics.
 Annalen der Chemie.
 Annalen der Physik.
 Annales de chimie et de physique.
 Annales de la faculté des sciences de l'Université de Toulouse.
 Annales Scientifiques de l'Ecole Normale Supérieure.
 Annali di Matematica.
 Astrophysical Journal.
 Beiblätter zu den Annalen der Physik.
 Berichte der deutschen chemischen Gesellschaft.
 Bibliotheca Mathematica.
 Bolletino di Bibliografia e Storia della Scienze Matematiche.
 Bulletin de la Société Mathématique.
 Bulletin des Sciences Mathématiques.
 Bulletin of the American Mathematical Society.
 Electrician.
 Giornale di Matematiche.
 Jahrbuch über die Fortschritte der Mathematik.

Jahresbericht der deutschen Mathematiker Vereinigung.
 Jahresbericht über die Fortschritte der Chemie.
 Journal de Mathématiques.
 Journal de Physique.
 Journal für die reine und angewandte Mathematik.
 Journal für praktische Chemie.
 Journal of the Chemical Society.
 Mathematische Annalen.
 Messenger of Mathematics.
 Monatshefte für Chemie.
 Physikalische Zeitschrift.
 Proceedings of the London Mathematical Society.
 Quarterly Journal of Mathematics.
 Rendiconti del Circolo Matematico di Palermo.
 Transactions of the American Mathematical Society.
 Zeitschrift für anorganische Chemie.
 Zeitschrift für Elektrochemie.
 Zeitschrift für Mathematik und Physik.
 Zeitschrift für physikalische Chemie.

The library is open daily from eight A.M. to ten P.M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

*Presented by the Publishers.

The *Philadelphia Library Company*, which contains about 225,000 volumes and 30,000 pamphlets, and is at all times open to the students for consultation. Private subscription, for four volumes, \$12 a year, or \$10 for nine months.

The *Mercantile Library*, which contains about 190,000 volumes and 10,000 pamphlets. Private subscription, \$2.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 59,950 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 233,330 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia*, which contains about 322,000 volumes and 45,000 pamphlets, and is at all times open to the students for consultation.

Sanskrit and Comparative Philology.

The instruction in this department is under the direction of Dr. Hans Weyhe, Associate in German.

GRADUATE COURSES.

Dr. Weyhe offers in each year the following graduate courses:

Lectures on Comparative Philology, and Philological Seminary.

Two hours a week throughout the year.

Students entering this course are expected to be familiar with German and French. A short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Aryan group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course, which covers what during the last few years has been the field of the most active research, the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit.

Two hours a week throughout the year.

Whitney's *Grammar* and Lanman's *Reader* are used.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year.

Advanced Sanskrit.*One hour a week throughout the year.*

In this course selections from the Rig-Veda are read.

Iranian.*One hour a week throughout the year.*

This course is intended mainly as an introduction to the study of the Avesta. In order to study Iranian, students must be familiar with Sanskrit.

Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Associate Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, Dr. Caroline Louise Ransom, Associate in the History of Art and Classical Archæology, and Miss Abby Kirk, Reader in Elementary Greek.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the College. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe, of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

GRADUATE COURSES.

The graduate courses in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and the Homeric Question, Plato and Aristophanes, in order that they may be pursued by a student for consecutive years. Students electing the Greek seminary as work for the degree of Doctor of Philosophy are required to take also the two hour course given in the same year. Three five hour courses are required of students who offer Greek as a major subject in the examination for the degree of Doctor of Philosophy; two five hour courses are required when Greek is the only minor subject offered, and one five hour course when two minors are offered. The post-major courses also are open to graduate students. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department; and reports of this reading are from time to time required of the students. The course in comparative philology conducted by Dr. Weyhe is recommended to graduate students of Greek. For graduate courses in History of Art and Classical Archæology, which may be offered as a minor by students taking Greek as a subject for the degree of Doctor of Philosophy, see page 97.

No undergraduates are admitted to graduate courses.

Dr. Sanders conducts in each year the following graduate seminary:

Greek Seminary.

Three hours a week throughout the year.

In 1907-08 the main subject of the seminary is the Greek Historians. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

In 1908-09 the subject of the seminary will be Attic Tragedy. The special work of the seminary will be devoted to the editing of Euripides's *Orestes*. Members of the seminary will report on special subjects and will also give critical summaries of current classical literature.

In 1909-10 Greek orators will be studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek Rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Iseus, Æschines, Hyperides and Demosthenes. The classical library is well equipped with works on the orators.

Dr. Wright offers in 1907-08 the following graduate course:

Plato.

Two hours a week throughout the year.

The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theætetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarising the students with the achievements of German scholarship and the general field of Platonic literature up to the present day. Analyses of German and Latin dissertations are expected from the class. Lutoslawski's *Origin and Growth of Plato's Logic* is studied and criticised in detail.

Dr. Wright offers in 1908-09 the following graduate course:

Aristophanes.

Two hours a week throughout the year.

The aim of the course is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archaeological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of Latin and German dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Teubner (Leipsic) or Clarendon Press (Oxford) editions are recommended.

Dr. Wright offers in 1909-10 the following graduate course:

The Homeric Question.

Two hours a week throughout the year.

This course will consist of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archæologists, linguists, historians of myths, and æsthetic critics will be taken up and criticised in detail. A reading knowledge of German is essential.

POST-MAJOR COURSES.

Dr. Sanders offers in 1907-08 the following post-major courses, open to graduate students:

Private Orations of the Attic Orators.

Two hours a week during the first semester.

Sophocles, *Antigone*.

One hour a week during the first semester.

Æschylus, *Agamemnon*.

Two hours a week during the second semester.

Bacchylides.

One hour a week during the second semester.

Dr. Sanders offers in 1908-09 the following post-major courses, open to graduate students:

Lucian.

Two hours a week during the first semester.

Sophocles, *Ajax*.

One hour a week during the first semester.

Greek Prose Composition, Rhetoric, and the Theory of Imitative Writing.

One hour a week during the second semester.

Greek Melic Poets.

One hour a week during the second semester.

Euripides, *Heracles*.

One hour a week during the second semester.

Dr. Sanders offers in 1909-10 the following post-major courses, open to graduate students:

Æschylus, *Oresteia*.

Two hours a week during the first semester.

Aristophanes, *Acharnians*, *Knights*.

One hour a week during the first semester.

Pindar.

Two hours a week during the second semester.

Sophocles, *Electra*.

One hour a week during the second semester.

FREE ELECTIVE COURSES.

Free elective courses, amounting to four hours a week, are offered in Classical Art and Archæology; see pages 97-98.

A free elective course of two hours a week is offered in New Testament Greek; see page 87.

Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr. Tenney Frank, Associate in Latin and Associate Professor (elect) of Latin, and Miss Bertha Cornelia Norris, Reader in Latin.

GRADUATE COURSES.

The graduate work in Latin is conducted according to the seminary method, its object being not only to broaden the student's knowledge, but also to teach methods of work and the handling of materials. The graduate courses in Latin are varied from year to year in two series, Latin Comedy,

Elegy, and Lyric Poetry and Roman History, Epigraphy and Literature, or Syntax. Students electing the Latin seminary as part of the work for the degree of Doctor of Philosophy are required to take also the two hour course given in the same year, and are recommended to attend the Journal Club. Three five hour courses are required of students who offer Latin as a major subject in the examination for the degree of Doctor of Philosophy; two five hour courses are required when Latin is the only minor subject offered and one five hour course when two minors are offered. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek.

No undergraduates are admitted to graduate courses.

Dr. Wheeler conducts in each year the following graduate seminary:

Latin Seminary.

Three hours a week throughout the year.

In 1907-08 Roman Elegy as represented by Tibullus, Propertius, and Ovid is the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarise themselves with the best literature in editions, periodicals, and dissertations. The text recommended is the Oxford Clarendon Press edition of Catullus, Tibullus, and Propertius edited by Ellis, Postgate, and Phillimore, 1906 (one volume).

In 1908-09 the subject of the seminary will be the Roman Lyric in the Period of the Republic. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself will be studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or E. T. Merrill's annotated edition of Catullus, Boston, Ginn and Co., 1893.

In 1909-10 the subject of the seminary will be Latin Comedy. All the plays of Plautus and Terence are read by the students: single plays form the basis of special work on the language, text, metres, etc.

Students should provide themselves with the text edition of Plautus, edited by W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1888-1901, and by Lorenz, Berlin, Weidmann, 1876-86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1903 (Teubner), and by Spengel, 1879 and 1905, Weidmann, are also recommended.

Dr. Frank offers in 1907-08 the following graduate course:

Latin Epigraphy and Palæography. *Two hours a week throughout the year.*

About two-thirds of the course is devoted to the study of the *Corpus Inscriptionum*. The questions assigned for investigation deal mainly with Roman political institutions, public and private life, and with historical grammar. Dessau's *Inscriptiones Latinae Selectae* is used in the class room. The paleographical facsimiles of Chatelain, Zangemeister and Wattenbach, and Arndt form the basis for work in the latter part of the course.

Dr. Frank offers in 1908-09 the following graduate course:

Roman Literature, selected topics. *Two hours a week throughout the year.*

The course consists of studies in the beginnings of the Roman epic, tragedy, and prose, special attention being paid to the relation of the literature to historical events and

native influences. The students will read reports on special subjects assigned to them. A course in Latin Syntax may be substituted for this course.

Dr. Frank offers in 1909-10 the following graduate course:

Roman History from the sources. *Two hours a week throughout the year.*

The object of this study is to examine in detail the course of events during the last years of the Roman Republic, and to familiarise the student with the sources of historical knowledge for that period. The course will consist largely of research work on the part of the student.

Dr. Wheeler and Dr. Frank together conduct the journal club.

Latin Journal Club. *One and a half hours once a fortnight throughout the year.*

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

POST-MAJOR COURSES.

Dr. Wheeler offers in 1907-08, and again in 1909-10, the following post-major course open to graduate students:

Latin Satire, its Origin and Development.

Two hours a week throughout the year.

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare one paper on an assigned topic in each semester.

Dr. Wheeler offers in 1908-09 the following post-major course, open to graduate students:

Roman Elegy, its Origin and Development.

Two hours a week throughout the year.

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read. The readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare a paper on an assigned topic in each semester.

Dr. Frank offers in 1907-08, and again in 1909-10, the following post-major courses, open to graduate students:

Lucretius.

Three hours a week during the first semester.

The first three books of the *De Rerum Natura* and selections from the fourth, fifth, and sixth books are read. The philosophical bearings of the poem are discussed in lectures by the instructor and papers by the students.

Lectures on Roman History.

Two hours a week during the first semester.

Collateral reading will be assigned from the Latin sources and independent reports on special topics required.

Advanced Latin Prose Composition.

One hour a week throughout the year.

Cicero and Cæsar.

Three hours a week during the second semester.

An effort is made by means of lectures and discussions and extensive reading to gain an intimate acquaintance with the literary work and the political careers of Cicero and Cæsar.

Catullus, and Horace, *Epistles*. *Two hours a week during the second semester.*

In connection with the reading of Horace's *Ars Poetica* special stress will be laid upon his theories of literary criticism.

Dr. Frank offers in 1908-09 the following post-major courses, open to graduate students:

The Life and Works of Vergil. *Three hours a week during the first semester.*

The larger part of the *Aeneid*, two books of the *Georgics* and some of the *Eclogues* and *Pseudo-Vergiliana* will be read and discussed.

Pliny, *Letters*; Martial. *Two hours a week during the first semester.*

Special attention is paid to a study of the political and social conditions of the period included in the course.

Advanced Latin Prose Composition. *One hour a week throughout the year.*

Roman Prose of the Empire. *Three hours a week during the second semester.*

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius and Minucius Felix will be read.

Seneca and Lucan. *Two hours a week during the second semester.*

Three tragedies of Seneca and portions of Lucan's *Pharsalia* will be read.

MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger DeHaan, M. Lucien Foulet, Dr. Albert Schinz, Miss Lucy Martin Donnelly,* Dr. Karl Detlev Jessen, Dr. Clarence Carroll Clark, Dr. Carleton Fairchild Brown, Dr. Richard Thayer Holbrook, Dr. Hans Weyhe, Mr. Samuel Arthur King, Miss Rose Chamberlin, Miss Katharine Fullerton, Dr. Regina Katharine Crandall, Dr. Orie Latham Hatcher, Miss Georgiana Goddard King, Miss Bertha Marion Pillsbury, Miss Helen Ward, and Dr. Clara Leonora Nicolay.

English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly,* Lecturer in English, Dr. Clarence Carroll Clark, Associate Professor of English, Dr. Carleton Fairchild Brown, Associate Professor of English Philology, Mr. Samuel Arthur King, Non-resident Lecturer in Elocution, Miss Katharine Fullerton, Dr. Regina Katharine Crandall, Miss Georgiana Goddard King, Miss Bertha Marion Pillsbury, and Miss Helen Ward, Readers in English; and Dr. Orie Latham Hatcher, Reader in English and Lecturer (elect) in Elizabethan Literature.

*Granted leave of absence for the year 1908-09.

GRADUATE COURSES.

There are offered each year distinct graduate courses in English literature and in English language, and these courses are varied so as to enable candidates for the degree of Doctor of Philosophy to pursue graduate work for three or more successive years. The graduate courses in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature years of the English major; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English major.

Students who choose English as their chief subject in their examination for the degree of Doctor of Philosophy must have, if they specialise in literature, at least as much knowledge of Anglo-Saxon, and if they specialise in language, at least as much knowledge of literature, as is obtained in the courses required of those students who make English one of the chief subjects of undergraduate study, and must have taken at least the equivalent of the essay work in the required English course.

The graduate instruction in English literature includes the direction of private reading and the assignment of topics for investigation.

No undergraduates are admitted to graduate courses.

Dr. Clark conducts in each year the following graduate seminary:

Seminary in English Literature.

Three hours a week throughout the year.

In 1907-08 the literary movement of the eighteenth century is studied in connection with Johnson.

In 1908-09 romantic criticism will be the subject of the seminary. The overthrow of eighteenth century standards, and the rise of a new school of criticism is studied in the works of Coleridge, Hazlitt, and Lamb. Though the class meets only three times a week, the time required for reading in connection with the lectures makes the work equivalent to that of a five hour course.

In 1909-10 seventeenth century prose writers will be studied. The authors usually chosen for discussion are Bacon, Milton, and Hooker.

Dr. Brown conducts in each year the following graduate seminary:

Seminary in Middle English.

Three hours a week throughout the year.

In 1907-08 Middle English Romances are studied. After an introductory study of the development of Romance literature in France, the romances of Germanic origin, the Arthurian and the Classical cycles, as represented in Middle English are taken up in the order named. By means of lectures and reports the different groups are studied in relation to their general European development. Careful investigations of various elements in individual romances are undertaken from time to time by the students.

In 1908-09 the subjects of the seminary will be Middle English Grammar and Literature. Students taking the course are expected to have as much knowledge of Anglo-Saxon as is obtained in the language year of the English group. Representative examples of ecclesiastical, courtly, and popular mediæval literature will be read with the class and attention will be paid to historical development and dialects. Special topics in the recent criticism of Middle English literature will be assigned to the students for report.

In 1909-10 the beginnings of English Drama will be the subject of the seminary. The English mystery plays are studied in the four cycles and in the extant separate plays with the Towneley group as the basis of comparison. The development of the dramatic elements of the liturgy is followed through the liturgical drama and thence through the mystery plays. The moralities and the secular drama are studied historically up to the time of Heywood. In addition to the reading and discussion of selected plays, lectures are given by the instructor with the object of setting various elements of dramatic development in proper proportion. Critical reports on assigned topics are required from the students.

Dr. Brown offers in 1907-08 and again in 1909-10 the following graduate course:

Cynewulf and Cædmon.

Two hours a week throughout the year.

Several of the poems traditionally ascribed to these authors are critically studied. Lectures are given with a view to furnishing a thorough introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts or its equivalent.

Dr. Brown offers in 1908-09 the following graduate course:

Beowulf.

Two hours a week throughout the year.

This course gives in the first place a general survey of Beowulf criticism, including textual problems, theories as to the composition of the poem, and an enquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon Grammar and reading of Anglo-Saxon Texts, or its equivalent.

Dr. Brown offers when time permits the following graduate course:

English Historical Grammar.

Two hours a week throughout the year.

In this course the development of the English Language is traced from the earliest times. After an outline has been given of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English.

Dr. Hatcher offers in each year the following graduate seminary:

Seminary in Elizabethan Literature. *Three hours a week throughout the year.*

In 1907-08 English drama from 1558 to 1642 is studied, as the chief literary expression of the period. The conditions of its origin and continued production, its nature, extent, variety, development and decadence are discussed and a reasonable proportion of the extant plays of the period are read continuously as a background for other work. A brief introductory study is made of dramatic genres and of the broader principles of dramatic construction, and the remainder of the first semester is devoted to the examination of contemporary documents and other sources of information in regard to Elizabethan drama. In the latter half of the year each student investigates some special problem, such as dramatic inter-relationship or authorship, and gives reports upon her work. The seminary met two hours a week throughout the year in 1907-08.

The subject of the seminary in 1908-09 will be non-dramatic English Literature, from 1558 to 1700. The epic will be studied as illustrated in *The Faerie Queene*, *Paradise Lost* and *Goudibert*; the sonnet in poems of Wyatt, Surrey, Watson, Sidney, Spenser, Shakespeare, etc.; the prose romance in Lyly, Greene, Lodge, Nashe, etc.; critical or didactic prose in Ascham, Mulcaster, Gosson, Lodge, Nashe, Sidney, Bacon,

Webbe, Puttenham, Daniel, Davenant, Dryden, etc.; satire in Gascoigne, Lodge, Hall, Marston, Donne, Dryden, etc.; translations in the work of Berners, Chapman, Painter, Harrington, etc.; the pastoral in Sidney, Spenser, etc.; and other significant poetic and prose forms. The national forces at work in the literature of the time, and the relation of critical theory to actual production, will be traced, the reports of students being supplemented by lectures.

In 1909-10 the technique of the English Drama from 1558 to 1700 will be studied. The typical dramatic forms in the period covered will furnish the basis for study, and the development of dramatic technique in these various forms will be traced, through the Elizabethan, Jacobean, Restoration, and later drama to the death of Dryden. In the reading and investigation undertaken, emphasis will be laid upon the technical structure, and the method of investigation will be historical and comparative, representative plays of each age being studied intensively.

Dr. Hatcher offers in 1908-09 the following graduate course:

Continental Influences upon Non-dramatic English Literature from 1558 to 1700.

One hour a week throughout the year.

The course consists of lectures on the foreign influences at work upon the non-dramatic English literature of the period, and is occupied with noting the various sources and currents of this influence, especially with comparing important Continental models or forerunners with the corresponding productions in English, so as to estimate the nature and extent of the obligation involved. Thus the influence of the sonnets of Petrarch upon Wyatt, Surrey, Sidney, Spenser, Shakespeare and others will be inquired into; that of the *Pléiade* upon minor poetic forms and of Gongorism and Marinism upon the school of Euphuus; and of Boiardo, Ariosto, and Tasso upon *The Faerie Queene*. The course is related to the seminary in Elizabethan non-dramatic literature, but may be taken separately.

Dr. Hatcher offers in 1909-10 the following graduate course:

Dramatic Theory and Practice on the Continent from 1500 to 1700, in Relation to the English Drama of that Period.

One hour a week throughout the year.

This course is conducted by means of lectures, and the drama of Italy, France, and Spain during the period designated is discussed for its effect upon that of England from 1558 to 1700. In this course, as in the corresponding one in English drama, the emphasis is placed upon technique or artistic excellence of the constructive sort. The Italian court comedy is compared with that of Lyly and Peele; the French Senecan School of Garnier and others with that of Kyd and Marston; contemporary Spanish drama with the Jacobean romantic plays; and Restoration comedy with the Spanish and French.

Dr. Clark, Dr. Brown, and Dr. Hatcher together conduct the journal club.

English Journal Club.

One and a half hours a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

The following advanced undergraduate courses may be attended by graduate students:

Miss Donnelly offers in 1907-08 and again in 1909-10 the following course:

English Drama.

Two hours a week throughout the year.

This course is intended to give students that have completed the required course in English a more intimate knowledge of the later Elizabethan and the Jacobean drama.

The lectures follow the development of the realistic and romantic tendencies in the comedy and tragedy of the period both as an expression of the national life and of the individual genius of the various dramatists. Selected plays of Shakespeare, Middleton, Ben Jonson, Beaumont and Fletcher, and other dramatists are read in connection with the lectures.

In 1908-09 the following course will be given by an instructor whose name will be announced later:

English Poetry from 1780 to 1832. *Two hours a week throughout the year.*

This course consists of a detailed study of the poetry of Cowper, Burns, Wordsworth, Coleridge, Scott, Byron, Shelley, and Keats; special attention is paid to the rise and development of the Romantic movement in English poetry, with occasional reference to similar movements in France and Germany.

Dr. Clark offers in each year the following courses:

Classical and Romantic Prose. *Three hours a week throughout the year.*

In the first semester the writings of Edmund Burke are considered with special reference to Classicism and Romanticism, and to the ideas of the French revolution. In the second semester the works of Lamb, Hazlitt, and De Quincey are studied.

English Critics of the Nineteenth Century.

Three hours a week throughout the year.

The essayists and critics after 1832 are studied. In the first semester the authors usually chosen are Carlyle, Matthew Arnold, and Newman. Short papers and one long essay must be prepared by the students attending the course. In the second semester Ruskin, Pater, and Mr. Swinburne are discussed.

Dr. Brown offers in each year the following course:

Anglo-Saxon Grammar and reading of Anglo-Saxon Texts.

Two hours a week throughout the year.

The course begins with an outline of Anglo-Saxon grammar as presented in Bright's *Anglo-Saxon Reader*. Selections in prose and verse from Bright's reader are next read with the class. In the second semester after a brief study of alliterative verse selections from *Beowulf* are read. Throughout the year lectures are given outlining the literature of the period and texts are read in translation.

Dr. Brown offers in 1907-08 and again in 1909-10 the following courses:

Middle English Poetry. *Three hours a week during the first semester.*

The course begins with an outline of Middle English grammar sufficient to enable the students to read ordinary texts intelligently. Selections are then read from Layamon's *Brut*, Robert of Gloucester's *Chronicle*, Barbour's *Bruce*, Richard Rolle, Robert of Brunne's *Handlyng Synne*, Langland's *Vision of Piers the Plowman*, Gower's *Confessio Amantis*, and other pieces of Middle English literature. Lectures are given on the development of the language and literature during this period. The course is designed as an introduction to the course on Chaucer given in the second semester but may be taken independently.

Chaucer.

Three hours a week during the second semester.

In this course the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time. Students taking this course are recommended, but not required, to have taken the course in Middle English poetry.

Dr. Brown offers in 1908-09 the following course:

Middle English Romances.

Three hours a week throughout the year.

Selected romances are read by the members of the class. The lectures deal with the development of Romance literature in English with special reference to the romances of Germanic origin and the Arthurian cycle.

Miss Donnelly offers in 1909-10 the following free elective course:

Prose Writers of the Queen Anne Period.

One hour a week throughout the year.

* Among the writers studied will be Addison, Steele, Swift, and Bolingbroke. Two short papers will be required in each semester.

Miss Donnelly offers in 1910-11 the following free elective course:

English Letter Writers.

One hour a week throughout the year.

The more important letter writers of the seventeenth, eighteenth, and nineteenth centuries are studied and special stress is laid on their characters, their relation to their time, and their style. The students are required to write short papers from time to time.

Dr. Clark offers in 1907-08 and again in 1909-10 the following free elective courses:

Victorian Poets.

Two hours a week during the first semester.

The works of Tennyson, Arnold, Clough, Fitzgerald, and Landor are studied.

Victorian Poets (continued).

Two hours a week during the second semester.

The Pre-Raphaelite movement is considered, and the works of Morris, Rossetti, Swinburne, and Browning are studied.

Dr. Clark offers in 1908-09 and again in 1910-11 the following free elective courses:

English Fiction in the Nineteenth Century.

Two hours a week during the first semester.

The history of the novel up to the nineteenth century is presented briefly. The novels of Jane Austen and Walter Scott are studied as an introduction to the work* of the second semester.

English Fiction in the Nineteenth Century (continued).

Two hours a week during the second semester.

The development of fiction is considered in the works of Thackeray, Dickens, Trollope, George Eliot, Mr. George Meredith, and others.

Dr. Brown offers in 1907-08 and again in 1909-10 the following free elective course:

The English Ballad.

One hour a week throughout the year.

The course is designed as an introduction to the study of popular poetry. Selections from the ballad literature of England and Scotland, representative of various types and periods, are read in class. The lectures illustrate the origins and history of the ballad as developed in English and other literatures, together with a study of various imitations of the genuine ballad.

Dr. Brown offers in 1908-09 the following free elective course:

English Versification.

One hour a week throughout the year.

This course consists of an examination of the principles which govern English versification, together with an historical survey of the more important forms of verse, such as alliterative verse, the eight-syllable couplet, the Spenserian stanza, the sonnet, blank verse, the heroic couplet, and the romantic couplet.

Miss Fullerton offers in each year the following free elective course:

Descriptive and Narrative Writing.

Two hours a week throughout the year.

Lectures are given on the theory and practice of description and on the style and methods of the best modern writers of short stories, both English and French. Students are required to write papers each week.

Miss Fullerton offers in 1908-09 the following free elective course:

Advanced Course in Descriptive Writing.

Two hours a week throughout the year.

Various fundamental problems of style are discussed in the lectures with reference both to description and to narration. This course is open only to those students who have taken the course in Descriptive and Narrative Writing.

Dr. Crandall offers in each year the following free elective course:

Argumentation.

Two hours a week throughout the year.

In the first semester the technique of argumentation is studied, and in the second semester the relation between the laws of thought emphasised in the first semester and the ordinary forms of prose composition is established.

Miss Pillsbury offers in 1907-08 the following free elective courses:

Milton.

One hour a week throughout the year.

In this course Milton's *Minor Poems*, the *Areopagitica*, certain books of *Paradise Lost*, *Paradise Regained*, and *Samson Agonistes* are studied.

A Literary Study of the King James Version of the Bible.

Two hours a week throughout the year.

This course includes a history of the successive English translations of the Bible previous to 1611, and a literary study of the form and characteristics of the different books of the King James Version.

Mr. King offers in each year the following free elective courses in Elocution:

General Reading of Prose Authors.

One hour a week throughout the year.

This course is open only to those students who have attended the required course in Elocution or who have done equivalent work.

Reading of Shakespeare.

One hour a week throughout the year.

This course is open only to those students who have taken the course in general reading of prose authors. A special study is made of the principles of correct delivery of blank verse. The needs of those students who intend to teach English Literature, and desire to read Shakespeare to their pupils, are given special attention.

German.

The instruction in this department is under the direction of Dr. Karl Detlev[†] Jessen, Associate and Associate Professor (elect) in German Literature, Dr. Hans Weyhe, Associate in German, and Miss Rose Chamberlin, Reader in German.

GRADUATE COURSES.

The graduate courses offered in German philology may be found under the head of General Teutonic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are so varied that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or a minor for the degree of Doctor of Philosophy.

No undergraduates are admitted to graduate courses.

Dr. Jessen conducts in each year the following graduate seminary:

Seminary in German Literature.

Two hours a week throughout the year.

Although the seminary meets only two hours a week throughout the year, the amount of reading required makes the course equivalent to five hours a week. It is hoped that the students will become familiar in these courses with the methods of scientific literary criticism and investigation.

In 1907-08 Goethe's life and works are the subject of the seminary. Goethe's views on æsthetics and philosophy, translations by and from Goethe. Goethe and romanticism, text criticism applied to selected works, studies of Goethe's style and use of words, and similar subjects are investigated.

In 1908-09 the Romantic School and the *Volkslied* will be studied

In 1909-10 Goethe as a lyrical poet will be studied.

Dr. Jessen offers in 1907-08 and again in 1910-11 the following graduate courses:

German Metrics.

One hour a week during the first semester.

This course consists of lectures on *Deutsche Metrik* or *Verslehre*, with an introduction to phonetics, this being an indispensable *Hilfswissenschaft* for the study of German literature.

German Poetics.

One hour a week during the second semester.

Lectures will be given on *Deutsche Poetik* and *Stilistik*.

Dr. Jessen offers in 1908-09 the following graduate courses:

German Literary Criticism.

One hour a week during the first semester.

The lectures trace the development of literary and æsthetic criticism in Germany from Leibniz to Schiller and Goethe. The course is comparative, and French and English literary criticism will also be considered. Lessing's *Laokoön* and *Hamburgische Dramaturgie* and Schiller's essays on æsthetics are specially studied. The course is open to those students only who have a reading knowledge of French and German

The German Essay.

One hour a week during the second semester.

The history of the essay in German literature is studied and the most eminent German essayists, Schopenhauer, Herman Grimm, Karl Hillebrand, Friedrich Nietzsche, etc., are discussed. The influence of French, English, and American writers, in particular Montaigne, Macaulay, and Emerson, is traced, and incidentally the evolution of modern German prose style is treated.

Dr. Jessen offers in 1909-10 the following graduate courses:

Goethe's *Weltanschauung*.

One hour a week during the first semester.

In this course the philosophy of Goethe is studied with a view to its importance in understanding the currents of thought underlying modern German culture. Its unscholastic character gives it special interest. The students are referred to the writings of Wilhelm Bode, Moritz Heynacher, Hermann Siebeck, and others on the subject.

Germanic Antiquities.

One hour a week during the second semester.

This course deals with the study of ethnic conditions and characteristics, the racial and social conditions of the Germanic peoples and the important influences exerted by classical study and the Christian religion. The recent scientific discussions of Comte Gobineau, H. St. Chamberlain, and others have emphasised the importance of the subject. Tacitus's *Germania* will be read with reference to Müllenhoff, *Deutsche Altertumskunde*.

Dr. Jessen offers in each year, if the time of the department permits, the following graduate course:

Goethe's *Faust*.

Two hours a week throughout the year.

This course is intended to give a detailed introduction to the problems of *Faust-philologie*, dealing with both the first and second parts.

POST-MAJOR COURSES.

Dr. Jessen offers in 1907-08 and again in 1909-10 the following post-major courses, open to graduate students:

Lectures on the History of German Literature from the Romantic School till 1850.

Two hours a week during the first semester.

This course begins with a general study of the principles of philosophy, life, art, and poetry, as represented by the Romantic School, which is followed by lectures on the literary movements, expressed mainly in lyric poetry and in the novel, which supersede the Romantic *Weltanschauung*. The lyrics of the war of liberation, the *Weltschmerz*, and the political revolution; the novel of *Jungdeutschland*; the drama of Heinrich von Kleist; the works of the Schlegels, Tieck, Hölderlin, Jean Paul, Novalis, Uhland, Lenau, Heine, Immermann, Freiligrath, Herwegh, Gutzkow, Mörike, and Gotthelf, are the principal topics discussed.

German Drama in the Nineteenth Century.

Two hours a week during the second semester.

The drama of Heinrich von Kleist is studied with special reference to that of the classical period, and to the dramatic efforts of the Romanticists. The place of Grillparzer in German literature is defined, as well as the significance of Grabbe and Raimund. This leads to Otto Ludwig and to Friedrich Hebbel, who is the central figure, chronologically as well as in importance, of the German drama during the nineteenth century. The course ends with a review of Anzengruber, Wildenbruch, Sudermann, Hauptmann, and of other modern writers.

Dr. Jessen offers in 1908-09 and again in 1910-11 the following post-major courses, open to graduate students:

German Literature from 1850 to the present time.

Two hours a week during the first semester.

The subject of this course is, in the first semester, the *Epigonen-Literatur*. The development of the modern German *Novelle* is discussed and Keller's, Storm's, and C. F. Meyer's works are specially studied. A full account of the poets of the *Münchener Schule* is given, in particular of Richard Wagner, Reuter, Groth, Freytag, Spielhagen, Scheffel, Raabe, Geibel, Heyse, and Schack.

German Literature from 1850 to the present time (continued).

Two hours a week during the second semester.

In the second semester among the subjects discussed are the influence of French, Russian, and Scandinavian literatures, especially of the work of Zola and Ibsen on German literature; modern German realism and naturalism as represented by Fontane, Anzengruber, Wildenbruch, Hauptmann, Sudermann, Liliencron, and Rosegger; the increased importance of women in literature, and the work of Marie von Ebner-Eschenbach, Luise von François, Ricarda Huch, Helene Böhlau, Isolde Kurz, Clara Viebig and others; the significance of Nietzsche for German life and literature; Neoromanticism and *Heimatsdichtung*.

Dr. Jessen offers in each year the following post-major course, open to graduate students:

Advanced Critical Reading.

One hour a week throughout the year.

The reading is selected from works discussed in the post-major lectures on literature. The students give reports on dramas or novels, the object of the discussion being to trace the characteristics of the author, as shown in his works. Special attention will be paid to the needs of students who intend to teach German.

Dr. Weyhe offers in each year the following post-major course, open to graduate students:

Elementary Middle High German.

One hour a week throughout the year.

This course has been arranged primarily for undergraduate students who wish to be able to read the Middle High German classics in the original. A general acquaintance with the history of early German literature, such as may be obtained from the lectures on the history of German literature in the minor course, is presupposed. Wright's *Middle High German Primer* (2nd edition, Oxford, 1899) is used.

FREE ELECTIVE COURSE.

Miss Chamberlin offers in each year the following elective course:

Advanced German Prose Composition and Reading of Modern German.

Two hours a week throughout the year.

Attention is given in this course to the needs of students wishing to make teaching their profession. Each student is required to lecture to the class at least once during the year.

GENERAL TEUTONIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Hans Weyhe, Associate in German.

Special attention is called to the facilities for the study of

comparative Teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in Teutonic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Platt-Deutsch, etc.) and the study of general comparative philology.

The courses in introduction to the study of Teutonic philology: Gothic and Middle High German grammar (first-year course), are designed for students in their first year of graduate study in Teutonic languages, and the remaining courses for students in their second or third year.

Students intending to elect Teutonic philology are advised to study Greek for at least one year during their undergraduate course.

GRADUATE COURSES.

Dr. Weyhe offers the following graduate courses:

Introduction to the Study of Teutonic Philology.

One hour a week throughout the year.

These lectures deal with the following topics: a discussion of Teutonic in its relation to the cognate Aryan languages; a brief sketch of the single Teutonic languages, accompanied by an account of the chief grammatical and lexicographic works on each; a discussion of the aim and method of historical and comparative grammar, including problems such as those of the relationship of dialects and the consistency of phonetic laws; a brief history of Teutonic philology, and finally the outlines of general phonetics.

Gothic.

Two hours a week throughout the year.

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar. Wright's *Primer of the Gothic Language* (2nd ed., Oxford, 1899); Braune's *Gotische Grammatik* (6th ed., Halle, 1905); or Streitberg's *Gotisches Elementarbuch* (2nd ed., Heidelberg, 1906) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible.

Middle High German Grammar and reading of Middle High German Texts (first-year course).

Two hours a week throughout the year.

This course includes a brief abstract of Middle High German grammar, with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Part of Hartmann's *Armer Heinrich* is read, and is followed by selections from the *Nibelungenlied*, a brief account being given of the "Nibelungenfrage" and of the manuscripts of the *Nibelungenlied*.

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (6th ed., Halle, 1904), or Michels's *Mittelhochd. Elementarbuch* (Heidelberg, 1900).

For a more complete treatment of the subject T. Wright's *Historical German Grammar* (Vol. 1, Oxford, 1907) is recommended.

This course is required of all students that make German the minor subject in their examination for the degree of Doctor of Philosophy.

The private reading includes the works of the authors treated in the course.

Old High German.

Two hours a week throughout the year.

This course is offered to students acquainted with Gothic and Middle High German, or at least modern German, and includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Middle and Modern High German. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the differences between the Old High German dialects.

Middle High German (second-year course).

One hour a week throughout the year.

This course is intended for students that have followed the first year's course in Middle High German. The first semester is devoted to the *Höfisches Epos* (Veldeke, Wolfram, Gottfried von Strassburg, Rudolf von Ems, Conrad von Würzburg), and the second semester to Minnesangs Frühling and Walther von der Vogelweide.

Old Saxon.

Two hours a week during the second semester.

The work presupposes on the part of the students a sufficient knowledge of Gothic and Anglo-Saxon. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1899); the *Heliand* (in Sievers's or Heyne's or Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used. The reading is supplemented by a discussion of the West Germanic alliterative verse with reference to versification and poetic style in Anglo-Saxon.

Old Norse.

Two hours a week during the second semester.

This course may, by request, be substituted for the course in Old Saxon.

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course attention is paid to the relation between Gothic and Norse, and to the differences between the East Teutonic and West Teutonic branches. Among the texts read, selections from the younger and the older *Eddas* take a prominent place.

The books used are Sweet's *Icelandic Primer* (Oxford, 1886), or Holthausen's *Altisländisches Elementarbuch* (Weimar, 1895), and Hildebrand's *Edda* (2nd edition, Paderborn, 1904), with Gering's *Glossar* (3rd edition, Paderborn, 1907). For advanced students the reading of one of the larger *Islendinga sögur*, preceded by an introduction to the history of Iceland, may be substituted.

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, Norse periodicals, and works on Old Norse language and literature.

Comparative Teutonic Grammar.

One hour a week throughout the year.

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic in distinction from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

Teutonic Seminary.

One hour a week throughout the year.

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The exercises consist mainly of the discussion of special topics by the instructor and the students. The subjects for discussion are announced in advance, and the members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In addition to the above courses, others in Old Frisian, Dutch, Middle Low German, or Modern Low German may be arranged for students that have previously studied Gothic, Old and Middle High German, Anglo Saxon, and Old Saxon.

ROMANCE LANGUAGES.

French.

The instruction in this department is under the direction of M. Lucien Foulet, Professor of French Literature, Dr. Albert Schinz, Associate Professor of French Literature, Dr. Richard Thayer Holbrook, Associate and Associate Professor (elect) in French Philology and Italian, and Dr. Clara Leonora Nicolay, Reader in Elementary French.

GRADUATE COURSES.

There are offered each year two distinct graduate courses in French, one in literature and one in language, and these courses are varied so that they may be followed by the graduate student throughout three years.

Graduate students interested in the study of literature will find it to their advantage to attend the lectures on French literature two hours a week throughout the two years of the major course in French.

No undergraduates are admitted to graduate courses.

M. Foulet offers in each year the following graduate seminary:

Seminary in French Literature.

Three hours a week throughout the year.

The subject of the seminary in 1907-08 and again in 1910-11 is Ronsard and the *Pléiade*, the object being to determine the origin, the extent, and the success of the Renaissance movement in France. The chief works of Ronsard and his successors, especially Du Bellay and Baif, will be read and discussed.

The subject of the seminary in 1908-09 will be Molière; French Comedy before Molière, Molière's comedies, their Latin, Italian, and French sources, his style and method of composition, the nature of his "comique," his philosophy and his morality will be discussed.

In 1909-10 the subject of the seminary will be *La 'Matière de Bretagne' et l'épopée courtoise*. The course includes a careful study of the *Lais* of Marie de France, the poems referring to Tristan, the *Romans* of Chrétien de Troie, and selected poems on the Holy Grail; these are studied in connection with the question of their origin in Celtic countries and their later development in France. The different theories that have been proposed as to their origin and evolution are examined and discussed and an attempt is made to determine their relative value.

Dr. Schinz offers in 1907-08 and again in 1910-11 the following graduate course:

Life and Writings of Rousseau.

Two hours a week throughout the year.

Special attention is devoted to the following points: Rousseau as the father of the Romanticism of the nineteenth century; Rousseau as the first representative of cosmopolitan literature, Joseph Texte's ideas on "*Cosmopolitisme littéraire*;" the personality of Rousseau, a study of his works with special reference to the theories of his insanity.

Dr. Schinz offers in 1908-09 the following graduate course:

Seminary in Old French Literature. *Two hours a week throughout the year.*

The subject of the seminary is the religious and popular narrative poetry of the middle ages. In the first semester the collection of *Contes dévots* of Adgar, Gautier de Coincy and Le Marchand will be read, and also those stories of the *Vies des Pères* that are accessible. Comparisons with collateral stories will be made and some features of Gautier's style will be studied in their relation to religious Latin poetry. In the second semester *fabliaux*, *dits* and *contes* will be read to test the Arian, oriental and anthropological theories of the origin of the stories.

Dr. Schinz offers in 1909-10 the following graduate course:

Victor Hugo as a lyric, epic, and philosophical poet.

Two hours a week throughout the year.

Among the subjects discussed are: Victor Hugo, the Royalist and Catholic poet; what Victor Hugo owes to Chateaubriand and other contemporaries; Victor Hugo in relation to Napoleon I, the Republic, Napoleon III; Victor Hugo's social, political, and religious ideas as expressed in his latest poetical works.

The course in Old French Philology is intended for students in their first year of graduate study; that in Provençal and the Old French Seminary for students in their second or third year of graduate study; the Journal Club may be attended by students in their first, second, or third year of graduate study. The course in Old French Readings is designed to be taken in connection with the seminary in Old French Literature.

Dr. Holbrook offers in each year the following graduate courses:

Old French Philology.

Two hours a week throughout the year.

This course consists of lectures on the Phonology, Morphology, and Syntax of Old French, and is designed not only for students whose main pursuit is Romance philology, but also for those who wish to acquire more precise knowledge of the French elements in Middle English. The main principles of Historical Grammar will be illustrated by a minute study of the *Extraits de la Chanson de Roland*, published by Gaston Paris, and of various texts in L. Constans's *Chrestomathie* (Paris, 1906). Other books used are Grandgent's *Introduction to Vulgar Latin* (Boston, 1907), Nyrop's *Grammaire Historique de l'Ancien Français* (vol. 1, 1904, and vol. 2, 1903), and Schwan's *Grammaire de l'Ancien Français* (latest French edition).

Old French Readings.

One hour a week throughout the year.

The purpose of this course is to study from a scientific point of view various typical Old French masterpieces. The essential facts of Old French grammar will be reviewed and all rare or difficult locutions will be minutely studied for the sake of precise interpretation; dialectal features will be considered and attention will be given to the relation of manuscripts to printed texts. In addition to the works named below, students are expected to supply themselves with Gaston Paris's *Littérature française au moyen âge*.

The following courses may be rearranged to suit the needs of students in any particular year.

In 1907-08 Epic and Historical literature is the subject of the course. The texts required are Stengel's edition of the *Chanson de Roland* (Leipsic, 1900); the *Pèlerinage de Charlemagne* (ed. by Koschwitz, Leipsic, 1900); *Aliscans* (ed. by Wienbeck, Hartnacke and Rasch, Halle, 1903), and the *Extraits des Chroniqueurs Français* (Villehardouin, Joinville, Froissart, Commines), ed. by G. Paris and A. Jeanroy, Paris, 1893.

In 1908-09 Dramatic Literature will be studied. Various mysteries and miracle plays will be critically examined; but this course will deal mainly with purely mediæval comedy (ca. 1260—ca. 1530). The texts most needed will be Adam de la Hale's *Jeu de la feüllée* (edition of Rambeau, Marburg, 1886, and of Langlois, Paris, 1895); Paul Lacroix's *Recueil* (Paris, 1859), and the facsimile of Guillaume Le Roy's *Patelin* (1486?), printed for the Société des textes Français modernes.

In 1909-10 various texts will be read with a view to deriving from them a first-hand knowledge of every-day life—customs, manners, dress, and habits of thought—in mediæval France. Linguistic features will be examined in accordance with the introductory statement.

In 1910-11 the work will deal with narrative literature.

Old French Seminary.

Two hours a week throughout the year.

The work of the seminary is on the most important Old French dialects. Texts in Norman, Picard, Francian and Franco-Provençal are studied with reference to their dialectal features in order that the student may acquire the power to determine approximately the origin of other texts in which the same dialectal features occur.

Old Provençal.

Two hours a week throughout the year.

This course is intended for students of Old French who wish to begin the study of the language and literature of the Troubadours. The books required are Grandgent's *Outline of the Phonology and Morphology of Old Provençal* (Boston, 1905) and Appel's *Provenzalische Chrestomathie* (latest edition).

M. Foulet, Dr. DeHaan, Dr. Schinz and Dr. Holbrook together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

The journal club is intended to make the advanced students familiar with all the important European periodicals and with new books dealing with Romance Philology. For each session of the club an important article chosen from some one of the various periodicals is assigned to a student for review. The student is also referred to previous articles or publications treating of the same subject as that of the review, and is expected to present to the club a chronological outline of the history and stages of the discussion on the given point. Thus the students become familiar with the names of leading Romance scholars and with the particular lines of research in which each of the latter excels. At the same time such reviews prepare the way for seminary work and original investigations.

POST-MAJOR COURSES.

M. Foulet offers in 1907-08 and again in 1910-11 the following post-major course, open to graduate students:

The Romantic Drama of the Nineteenth Century.

Two hours a week throughout the year.

The lectures deal with the origin and development of the romantic drama in the works of Victor Hugo, Alexandre Dumas père, Alfred de Vigny, and Alfred de Musset. Its renaissance in the latter part of the century in Richepin and Edmond Rostand is then discussed.

M. Foulet offers in 1908-09 the following post-major course, open to graduate students:

Origin, Development, and Decline of Realistic Comedy.

Two hours a week throughout the year

The lectures treat of the origin of realistic comedy with Beaumarchais; its period of highest development with Augier, Dumas fils, Pailleron, and Sardou; its decline, the *comédie naturaliste*; new systems and new writers, Jules Lemaitre, and Edmond Rostand.

M. Foulet offers in 1909-10 the following post-major course, open to graduate students:

The French Novel from Lesage to Flaubert.

Two hours a week throughout the year.

The lectures treat of the origin of the modern novel in Lesage and Marivaux, the influence of Rousseau on its further development, the romantic novel of Mme. de Staël, Chateaubriand, Vigny, Hugo, and the realistic novel of Stendhal, Mérimée, and Balzac.

Dr. Schinz offers in 1907-08 and again in 1909-10 the following post-major course, open to graduate students:

The Short Story (*Nouvelle*) in the Nineteenth Century.

Two hours a week throughout the year.

The *genre nouvelle* is studied in connection with the following writers: Xavier de Maistre, Chateaubriand, Nodier, de Vigny, de Musset, Balzac, Mérimée, Gautier, Laboulaye, Daudet, Bourget, Maupassant, France, Bazin, Rod, Coppée, Loti, Villiers de l'Isle Adam, de Régnier, and others.

Dr. Schinz offers in 1908-09 and again in 1910-11 the following post-major course, open to graduate students:

French Lyric Poetry of the Nineteenth Century.

Two hours a week throughout the year.

In the first semester the lectures treat lyric poetry until the year 1866. Special attention is paid to the period from 1850 to 1866, while Lamartine, Hugo, Sainte-Beuve, de Vigny, and de Musset are treated only so far as is necessary for the understanding of the evolution of lyric poetry in their successors, Baudelaire, Gautier, de Banville, Leconte de Lisle, etc. The lectures of the second semester treat contemporary lyric poetry from 1866 to 1900. A careful study is made of the Parnassian and Symbolist schools.

Dr. Schinz offers in each year the following post-major course, open to graduate students:

Teachers' Course in Advanced French. *One hour a week throughout the year.*

This course is especially intended to give students the practical knowledge of French required for teaching the language. A correct pronunciation will be taught by means of a study of French phonetics, of the comparative value of sounds, of the tonic and oratorical accents, and of the rhythmical language. Classical texts will be analysed as a preparation for exercises in composition and lectures on the principles of French rhetoric will be given.

Italian.

The instruction in this department is under the direction of Dr. Richard Thayer Holbrook, Associate and Associate Professor (elect) in French Philology and Italian.

GRADUATE COURSES.

Dr. Holbrook offers in each year the following graduate courses:

Italian Philology.

One hour a week throughout the year.

This course presupposes a knowledge of Old French Philology and the equivalent of the minor and major courses in Italian offered at Bryn Mawr College. The work is

founded upon the treatise entitled *Die Italienische Sprache* by D'Ovidio and Meyer Lübke in Gröber's *Grundriss* (Strassburg, 1906). Various passages from thirteenth and fourteenth century authors are examined critically from a phonological and morphological point of view.

Old Italian Readings.

One hour a week throughout the year.

Students should provide themselves with the first volume of D'Ancona and Bacci's *Manuale della Letteratura Italiana* (Florence, 1904).

M. Foulet, Dr. DeHaan, Dr. Schinz and Dr. Holbrook together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

Dr. Holbrook offers in each year the following undergraduate courses, open to graduate students:

FIRST YEAR.

Modern Italian.

Three hours a week throughout the year.

This course is designed to prepare beginners for the study of Italian literature, as well as for the practical use of the language. Reading is taken up from the start, a careful pronunciation is insisted upon, and the essentials of the grammar are taught by a critical observation of the texts used and by graded exercises in the rendering of English into Italian. The books read are the following, and are taken up in the order indicated: C. H. Grandgent's *Italian Grammar* (Boston, 1905); Bowen's *Italian Reader* and Grandgent's *Italian Composition*; Giuseppe Finzi's *Petrarca* (1900); selections from the verse and prose of Renato Fucini and others; and, if possible, Dante's *Vita Nuova*.

Representative Italian Classics in English Translations.

Two hours a week throughout the year.

This course deals with typical masterpieces of Italian literature from Dante to Cellini. The author's life, character, and surroundings, his place in literary history, and his translators are discussed.

The works studied are as follows: *Dante and his Circle* (for early lyrics), *Vita Nuova*, most of the *Inferno*, parts of the *Purgatorio* and *Paradiso*; Boccaccio, *Life of Dante* and several tales translated by John Payne and J. M. Rigg; Petrarch, selected *Letters*, *Sonnets* and *Triumphs*; Ariosto, *Orlando Furioso*; Tasso, *Jerusalem Delivered*; Castiglione, *The Courtier*; Cellini, *Autobiography*. Students are asked to provide themselves at the beginning of the course with Rossetti's *Dante and his Circle*, Edmund Gardner's *Dante*, Rossetti's *The Early Italian Poets* (ed. by Edmund Gardner, Dent, 1904), and Cary's translation of the *Divine Comedy*. Knowledge of Italian is not required.

SECOND YEAR.

Italian Classical Literature.

Three hours a week throughout the year.

The work in this course is to translate critically the greater part of the *Inferno* and parts of the *Purgatorio* and *Paradiso*; then selections from Ariosto and Tasso. For these two the study of difficult modern prose and poetry may be substituted, with exercises in writing and speaking. Training in pronunciation will be given throughout the course. Third, the study and translation of parts of Pulci, *Morgante Maggiore*; Bojardo, *Orlando Innamorato*; Ariosto, *Orlando Furioso*, and Tasso, *Gerusalemme Liberata*. For the third section a study of difficult modern Italian prose and poetry and composition may be substituted. The lectures on literature are delivered in Italian,

FREE ELECTIVE COURSE.

Italian Influences on English Literature.

One hour a week throughout the year.

Lectures are given on the influence of mediæval and modern Italy on various English writers, such as Chaucer, Ascham, Shakespeare, Coryat, Byron, Shelley, and Landor.

Early in the course each student chooses some theme or author upon which she gives a written report in the second semester. Students taking this course are required to have a reading knowledge of Italian.

Spanish.

The instruction in this department is under the direction of Dr. Fonger DeHaan, Professor of Spanish.

GRADUATE COURSES.

Dr. DeHaan offers in each year the following graduate courses:

Lectures in Spanish on Spanish Literary History till the death of Calderon (1681). *One hour a week throughout the year.*

The lectures are supplemented by extensive private reading of important works.

Essays in Spanish.

Two hours a week throughout the year.

Spanish Philology.

One hour a week throughout the year.

Old Spanish Readings.

One hour a week throughout the year.

M. Foulet, Dr. DeHaan, Dr. Schinz and Dr. Holbrook together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

POST-MAJOR COURSES.

Dr. DeHaan offers in each year the following post-major course, open to graduate students:

Spanish.

Two hours a week throughout the year.

This course in composition and conversation is offered to those students who have completed the major course.

Dr. DeHaan offers in each year the following undergraduate courses, open to graduate students:

FIRST YEAR.

Spanish.

Five hours a week throughout the year.

The object of this course is to give beginners a good knowledge of modern Spanish, and to ground them thoroughly in the essentials of the grammar. As a preparation for understanding the spoken language, two half-hours a week during the second semester are devoted to dictation. The books studied are the following (taken up in the order indicated): DeHaan's *Cuentos Modernos*; Pérez Nieva, *Tomás el torrero* (Madrid, *Colección Klong*); De Haan's *Selected Works of G. A. Béquer*; Hartzenbusch, *Los Amantes de Teruel* (*Obras*, vol. III.); Zorrilla, *Granada* (Madrid, 1895, 2 vols.).

Private reading: Palacio Valdés, *José*; Galdós, *Mariñela*.

SECOND YEAR.

Lectures in Spanish on Spanish Literary History of the Nineteenth Century. *Two hours a week throughout the year.*

Spanish Composition. *One hour a week throughout the year.*

Critical Reading in Spanish. *Two hours a week throughout the year.*

Private reading: Private reading supplementing the lectures on literary history comprises representative works in the various branches of literature.

CELTIC AND SLAVONIC LANGUAGES.

Dr. Hans Weyhe, Associate in German, will offer courses in Celtic and Slavonic languages to students of comparative Aryan or of comparative Teutonic philology. Such students will find it of great advantage to gain at least some knowledge of Old Irish and Old Slavonic. Courses will also be arranged for students that prefer to study Lithuanian or any of the more important living Slavonic languages (Russian, Polish, or Servian).

SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Miss Maud Downing, Reader in Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. Mr. Albert J. Edmunds presented to the college in 1907 his library of 200 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighboring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

GRADUATE COURSES.

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. As students of Semitic languages, in addition to the work of investigation, must master the elements of a number of dialects for use in Semitic philology, those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialise in Hebrew or Assyrian. Students who offer Hebrew or Assyrian as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages and in this enumeration Syriac and Jewish Aramaic may not count as separate languages. Students that offer Semitic languages as the minor subject in the examination for the degree of Doctor of Philosophy must show that they have a knowledge of three Semitic languages.

The regular alternation of courses is indicated below and at least five hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

No undergraduates are admitted to graduate courses.

Dr. Barton offers in 1907-08 the following graduate courses:

Aramaic, including Syriac and Biblical Aramaic.

Two hours a week throughout the year.

The first semester is devoted to Syriac. After the forms are learned, which is an easy matter for students acquainted with Hebrew, selections are read from the Syriac versions of the New Testament, from the chronicles of Barhebræus, and from the hymns of Efreim. The second semester is devoted to Jewish Aramaic, which is the dialect of large parts of the books of Daniel and Ezra, as well as of the Targums.

Assyrian Seminary.

One hour a week throughout the year.

The work of the seminary consists of a critical study of the administrative records of the temple at Telloh.

Hebrew Seminary.

One hour a week throughout the year.

The Psalter and the book of Job are the subjects of study in the seminary in 1907-08. In other years Canticles, Ecclesiastes or one of the historical or prophetic books will be discussed.

New Testament Greek Seminary.

One hour a week throughout the year.

Portions of the Greek text of the New Testament are critically interpreted. In the year 1906-07 the Gospel of Luke was studied. In the year 1907-08 the Acts of the Apostles are the subject of study. Students are assisted in familiarising themselves with the facts and theories of textual and historical criticism, or in investigating such problems as their previous training has fitted them to attack.

Biblical Archæology.

One hour a week throughout the year.

This course consists of a study of the geography, political divisions and various arts of Palestine as revealed in the original sources, excavations, Babylonian and Egyptian

tion inscriptions, the El-Amarna letters, the various Biblical documents, the Moabite stone, Josephus, the Madeba map, the Onomasticon, Arabian writers and Crusading sources.

Dr. Barton offers in 1908-09 the following graduate courses:

Assyrian, Historical Texts. *One hour a week throughout the year.*

This course is devoted to the interpretation of royal annals, both Assyrian and Babylonian.

Assyrian Literature. *One hour a week during the first semester.*

Assyrio-Babylonian literature, history, and art are briefly reviewed.

Aramaic Literature. *One hour a week during the second semester.*

Aramaic civilisation and its chief literary products are studied.

Advanced Aramaic. *Two hours a week throughout the year.*

One hour of the course is devoted to Jewish Aramaic including a study of the Talmud and Aramaic inscriptions. The remaining hour is spent on Syriac and the Sinai gospels and the poetry of Ephraim are studied.

Comparative Semitic Grammar. *One hour a week throughout the year.*

The course is devoted to Semitic phonetics and grammatical forms with a comparison of old Hamitic. In connection with the work selected Egyptian texts are read, to supply the student with Hamitic linguistic material. The first semester is devoted to phonetic material and its laws, the second to the pronoun and the verb.

Dr. Barton offers in 1909-10 the following graduate courses:

Semitic and Hebrew Religions. *One hour a week throughout the year.*

In the first semester the fundamental conceptions of the Semites as to gods and men, sin, sacrifice, and atonement are studied; in the second semester the religion of Israel is compared with the Semitic religion, and the preparation for Christianity is traced.

Comparative Semitic Grammar. *One hour a week throughout the year.*

The Semitic verb is completed and the noun is studied. Selected Coptic texts are read to gain some variety of Hamitic material.

Hebrew Literature. *Two hours a week throughout the year.*

This course consists of a study of Old Testament Poetry and of the Apocalypses, Jewish and Christian.

Dr. Barton offers in 1910-11 the following graduate courses:

Advanced Arabic. *One hour a week throughout the year.*

In the first semester portions of the Qur'an are read and in the second semester portions of the Mu'allakât poems are interpreted; special attention is given to syntax. The grammars of Socin and Wright are used.

Hebrew Literature. *Two hours a week throughout the year.*

This course is devoted to a study of the Prophets, the Pentateuch and the historical books of the Old Testament.

Ethiopic. *Two hours a week during the first semester.*

The grammar and *Chrestomathia* of Dillmann are used, and in the latter part of the course selections are read from the book of Enoch.

Semitic Epigraphy (Phœnician, Aramaic, and Sabæan).

Two hours a week during the second semester.

The course begins with a study of the Moabite stones the language of which differs only slightly from Hebrew. As the grammatical forms of Phœnician do not greatly

differ from those of Hebrew, the Phœnician part of this course is practically a course in Hebrew epigraphy, the Aramaic is practically an extension of the Aramaic course, while the Sabæan is in part a review of Arabic forms. Lizdbarski's *Nordsemitische Epigraphik*, Cooke's *North Semitic Inscriptions*, and Hommel's *Südarabische Chrestomathie* are the text-books used.

Miss Downing offers in each year the following graduate courses:

Elementary Hebrew.

Three hours a week during the first semester.

This course comprises a thorough study of the elements of the language, and the interpretation of parts of Genesis and Deuteronomy. It enables students to read ordinary Hebrew at sight.

Elementary Assyrian.

Three hours a week during the second semester.

This course includes a study of the elements of the language, the interpretation of selections from the royal annals, and exercises in writing Assyrian.

Elementary Arabic.

Two hours a week throughout the year.

This course consists of a study of the elements of the language, the interpretation of selections from Brünnow's *Chrestomathia* and from the *Thousand and One Nights*, together with Arabic prose composition.

Hebrew, The Prophets.

One hour a week throughout the year.

The text of one or more of the Prophets is critically interpreted, and Hebrew syntax and composition are studied.

FREE ELECTIVE COURSES.

The courses in Biblical Literature and Oriental History are intended primarily for undergraduate students, but may be elected by graduate students also.

Dr. Barton offers in 1907-08 and again in 1909-10 the following free elective courses in Biblical literature:

New Testament Biography.

Two hours a week throughout the year.

The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester to the life and teaching of St. Paul. The Gospels and Epistles are read, together with the most helpful of the modern works on these topics. The course is illustrated with photographs of the most important places connected with the lives of Christ and St. Paul.

History of the Old Testament Canon.

One hour a week throughout the year.

In this course the history of the composition and collection of the books of the Old Testament is studied. The instruction is given in lectures, and reading is assigned in the Old Testament and in modern literature concerning it.

Dr. Barton offers in 1908-09 and again in 1910-11 the following free elective courses in Biblical literature:

History of Christian Doctrine.

Two hours a week throughout the year.

In the first semester Christianity is studied as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A. D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

History of the New Testament Canon. *One hour a week throughout the year.*

This course consists of a study of the New Testament, similar in its methods and aims to the course on the Old Testament Canon.

Dr. Barton offers in each year the following free elective course:

Oriental History.

Five hours a week throughout the year.

This course treats in broad outlines the history and civilisation of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal Oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archæological specimens and by photographs. Either semester may be elected separately.

Dr. Barton offers in each year, when the time of the department permits, the following free elective courses:

Biblical Geography and Archæology. *Two hours a week throughout the year.*

The course begins with a survey of the physical features of Palestine and an estimate of their effect upon its civilisation. The succession of races dominant in Palestine since the beginning of history is then reviewed, after which the positions of the places important in the Biblical narratives are carefully noted. The principal Biblical narratives are studied in connection with the geography of the country and the archæological remains of the period. In this way the narratives of the Patriarchs, Kings, Prophets, and Apostles, as well as the life of Christ, are illustrated. The course is illustrated by photographs. Use is made throughout the course of the publications of the Palestine Exploration Fund, and of other modern explorers.

New Testament Greek.

Two hours a week throughout the year.

This course presupposes a knowledge of classical Greek. After some introductory lectures on the formation and peculiarities of the New Testament Greek, one hour a week during the first semester is devoted to lectures on the history of the New Testament text, both in its written and in its printed form, the helps extant for emending it, and the method of using them. The remainder of the time is devoted to the interpretation of the New Testament Epistles, especially those of Paul. The students are expected to read privately during the first semester the text of one of the Gospels, and during the second, either the *Acts of the Apostles*, the *Apocalypse*, or the *Epistle to the Hebrews*.

History.

The instruction in this department is under the direction of Mr. Robert Matteson Johnston, Associate Professor of History, and Dr. William Roy Smith, Associate Professor of History.

GRADUATE COURSES.

Eight courses are offered to graduate students in history in addition to the direction of private reading and original research.

No undergraduates are admitted to graduate courses.

Mr. Johnston offers in each year the following graduate course:

Historical Method and Criticism.

Two hours a week throughout the year.

The questions dealt with in this course are the scope of historical work and its relations to allied subjects; the outlines of historical bibliography; the great collections of printed material; archives and MSS.; editing, criticism, and evidence. In 1907-08 this course was given during the first semester.

Mr. Johnston offers in 1907-08 and again in 1909-10 the following graduate course:

The French Revolution.

Two hours a week throughout the year.

The work is set chiefly from printed documentary material. The Assemblies, public opinion, economic questions, political theories, and social legislation of the Revolution are studied. In 1907-08 this course was given during the second semester.

Mr. Johnston offers in 1908-09 the following graduate course:

History of Political Theories.

Two hours a week throughout the year.

Political thought is studied in its transition from the mediæval to the modern period. During the first semester the Conciliar movement, Luther, Hobbes, Locke, Calvin, the Jesuits, Erotius and Vattel will be considered. During the second semester each student will take up a selected author or book for special study.

Mr. Johnston offers in 1910-11 the following graduate course:

The Napoleonic System and Institutions.

Two hours a week throughout the year.

This course will follow the same general lines as that on the French Revolution.

Dr. Smith offers in 1907-08 and again in 1908-09 the following graduate course:

Seminary in American History, Slavery and the Negro Problem.

Three hours a week throughout the year.

This course begins with a preliminary survey of the history of slavery in the Colonial period. This is followed by a discussion of such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth, and fifteenth amendments. Special attention is paid to the conflict between sectionalism and nationalism and to the connection between slavery, territorial expansion, and the development of constitutional theories.

Dr. Smith offers in 1909-10 the following graduate course:

The Revolution, the Confederation, and the Constitution.

Two hours a week throughout the year.

This course deals with American history from 1776 to 1789 primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. An attempt is made to analyse the social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties.

Dr. Smith offers in 1910-11 the following graduate courses:

The American Colonies in the Seventeenth Century.

Two hours a week during the first semester.

This course deals chiefly with the political, constitutional, and social problems of the period.

The American Colonies in the Eighteenth Century.

Two hours a week during the second semester.

In this course, which is a continuation of the preceding, special stress is laid upon the development of the imperial administrative machinery and upon the ethnical distribution of population in the colonies.

Mr. Johnston and Dr. Smith conduct in each year the following graduate seminary:

Historical Seminary.

Two hours once a fortnight throughout the year.

The seminary is attended by the instructors in the department of history and the graduate students who are pursuing advanced courses in history. At the meetings, which are held once a fortnight, reports are made upon assigned topics, recent articles and books are reviewed, and the results of special investigations presented.

POST-MAJOR COURSES.

Mr. Johnston offers in 1907-08 and again in 1910-11 the following post-major course, open to graduate students:

Special Topics in Nineteenth Century History.

Two hours a week throughout the year.

Incidents and critical periods of nineteenth century history are studied in detail so as to introduce the student to the use of original sources, and also to give a closer view of political action than can be obtained from general courses. Diplomacy, international law, warfare, the Monroe doctrine, and constitutional questions are dealt with.

Mr. Johnston offers in 1908-09 the following post-major course, open to graduate students:

The French Revolution.

Two hours a week throughout the year.

A detailed study of the period will be carried out in lectures and reports by means of which the students will be introduced to the use of documentary methods.

Mr. Johnston offers in 1909-10 the following post-major course, open to graduate students:

English Constitutional History to 1485. *Two hours a week throughout the year.*

The text-book used in this course is Stubbs's *Select Charters*. The lectures alternate with the reading and interpretation of selected charters and constitutional documents. Each student is assigned from time to time topics upon which a report is made to the class.

Dr. Smith offers in 1907-08 and again in 1909-10 the following post-major course, open to graduate students:

English Constitutional History from 1485 to the present time.

Three hours a week throughout the year.

The lectures discuss the constitutional features of Tudor absolutism, the influence of the English reformation, the struggle between the crown and parliament for supremacy, the Revolution of 1688-89, the development of the cabinet system, the union with Scotland and Ireland, the American and French Revolutions, the Reform Bills of 1832, 1867, and 1884-85, and the South African question. The text-books used are Prothero's *Select Statutes and other Constitutional Documents*, Gardiner's *Constitutional Documents of the Puritan Revolution*, and Adams and Stephens's *Select Documents of English Constitutional History*.

Dr. Smith offers in 1908-09 and again in 1910-11 the following post-major course, open to graduate students:

American Constitutional History, from 1789 to the present time.

Three hours a week throughout the year.

The lectures deal with the leading aspects of American constitutional history to the close of the period of reconstruction. The text-books used are MacDonald's *Select Documents of United States History* and *Select Statutes of United States History*, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

Economics and Politics.

The instruction in this department is under the direction of Dr. Charles Clarence Williamson, Associate in Economics and Politics, and Miss Marion Parris, Reader in Economics and Politics.

GRADUATE COURSES.

In addition to the post-major courses, which may be elected by graduate students, six hours of graduate lectures and seminary work are offered in each year.

No undergraduates are admitted to graduate courses.

Dr. Williamson offers in each year the following graduate seminary:

Economic Seminary.

Three hours a week throughout the year.

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1907-08 questions of state and local government are discussed, and the government of American cities is studied critically.

In 1908-09 the seminary will deal with selected topics in the financial and industrial history of the United States.

Miss Parris offers in 1907-08 the following graduate course:

Economics and Ethical Theory.

Two hours a week throughout the year.

This course is a comparison of economics and ethics designed to show the place of economics among the social sciences and to suggest the reaction upon economic theory of recent advances in ethical theory.

Miss Parris offers in 1908-09 the following graduate course:

The Theory of Value.

Two hours a week throughout the year.

The course consists of a critical study of economic theories of value with special reference to philosophical and ethical thinking. Canonistic theories of value will be studied as an introduction to mercantile and physioeratic theories; utilitarianism and its effect on the theories of value of the classical school will be discussed, and finally the marginal utility theory, the productivity theory, and the various modifications of older theories which appear in the writings of modern economists will be studied.

Miss Parris offers in 1909-10 the following graduate course:

Capital and Interest.

Two hours a week throughout the year.

Dr. Williamson and Miss Parris conduct in each year the economic journal club:

Economic Journal Club.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

POST-MAJOR COURSES.

Dr. Williamson offers in 1907-08 and again in 1908-09 the following post-major course, open to graduate students:

Public Finance.

Three hours a week throughout the year.

This course begins with a discussion of the nature of public finance, its history and present position in the field of the political and economic sciences. After tracing the development of the public economy, theories of the economic activity of the modern state are examined. This is followed by a discussion of public expenditure, its growth in modern democratic societies, and its social and industrial effects. A rapid survey of the history and theories of taxation serves as an introduction to a special study of the problems of federal, state, and local taxation in the United States, comparisons being made with the leading foreign countries. Attention is also called to the nature and significance of other forms of public revenue. The course concludes with a discussion of the theory of public credit and the policy of national and local governments in regard to public debts.

Dr. Williamson offers in 1909-10 the following post-major course, open to graduate students:

Industrial Problems.

Three hours a week throughout the year.

The lectures of this course deal with certain economic problems which involve political action. Among the more important subjects taken up are the following: problems of money and banking; the commercial policy of the principal countries, with special reference to the tariff situation in the United States; the rise of the transportation problem and a comparison of the methods of government control in use in various countries; industrial combinations, their development and their relation to the state. Typical combinations will be studied and the results of anti-trust legislation examined. The aim is to put before the student the significant facts of our commercial and industrial development, accompanied by an economic analysis of the problems created and a discussion of the political factors to be reckoned with in their solution.

Miss Parris offers in 1907-08 the following post-major course, open to graduate students:

Utilitarian Theory in Modern Economics.

Two hours a week throughout the year.

This course is a study of Hobbes, Hume, Paley, and Bentham, in connection with the application of Utilitarianism by Adam Smith, Ricardo, and John Stuart Mill.

Miss Parris offers in 1908-09 the following post-major course, open to graduate students:

Theoretical Sociology.

Two hours a week.

This course is designed to introduce the students to the problems of modern sociology. The first semester's work will be a history of sociological theory. The students will read selections from Auguste Comte, Herbert Spenser, Professor Giddings, and others. In the second semester the various social problems confronting the modern state will be considered, such as the congestion of population, housing and transportation problems in American and Continental cities, immigration and race problems in America, the standard of living among various economic groups, etc.

The lectures are supplemented by written reports on specially assigned reading and by written and oral quizzes.

Miss Parris offers in 1909-10 the following post-major course, open to graduate students:

Problems in Value and Distribution.

Two hours a week.

The object of this course is to present to the students the modern problems of Value and Distribution as formulated by the Austrian School, by Professor Marshall and the English economists, and by Professors Clark, Fisher, Fetter, and Patten in America. Special attention will be paid to the method used in stating economic problems and in their solution. The descriptive, argumentative, statistical, and mathematical methods will be studied in order to train the students in clear thinking and accurate statement.

A large amount of reading will be required and written reports on assigned subjects.

Law.

The instruction in this department is under the direction of Dr. Clarence D. Ashley, Dean of the Faculty of Law of New York University, Non-resident Lecturer in Law.

GRADUATE COURSES.

The undergraduate courses in law may be offered by graduate students whose major subject is history or philosophy as a minor subject for the degree of Doctor of Philosophy.

MAJOR COURSE.

Dr. Ashley offers in 1907-08 and again in 1909-10 the following courses, open to graduate students:

Law of Contract.

Two hours a week throughout the year.

This course treats of the formation and discharge of contract as embraced in the topics of Mutual Assent and Consideration and Conditions. It is conducted by class discussion

of cases contained in a collection of selected and condensed cases. A statement of each case, with a critical examination and full discussion of the principles involved, is required. The aim is to train the class in accurate legal thought, and incidentally to impart a thorough knowledge of the principles underlying the subjects covered. For collateral reading reference is made to Langdell's *Summary of the Law of Contract* and other standard authors.

Theory of Legal Procedure.

One hour a week throughout the year.

This course treats of the elements of jurisprudence, including the nature, scope, and divisions of law, with the distinctions between contract, tort, and quasi-contract, the nature and classification of rights, and a brief survey of the jurisdiction of common law and equity courts.

Dr. Ashley offers in 1908-09 and again in 1910-11 the following courses open to graduate students:

Torts.

Two hours a week throughout the year.

In this course that class of wrongs which violate an absolute, as distinguished from a correlative, right is discussed. The nature, character, historical development, and classification of torts is considered. The course is conducted mainly by class discussion. The text-book used is Ames's *Cases on Torts*, Vol. I.

Constitutional Law.

One hour a week throughout the year.

The subject of this course is the Constitution of the United States and its development and construction by judicial decision. This involves an examination and study of the leading decisions of the United States Supreme Court on constitutional questions. The case system of study is adopted, and the course is conducted mainly by class discussion.

Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna, Associate Professor of Philosophy, Dr. James H. Leuba,* Professor of Psychology and Education and Director of the Psychological Laboratory, Mr. Clarence Errol Ferree, Lecturer in Psychology, Miss Marion Reilly and Dr. Grace Mead Andrus de Laguna, Readers in Philosophy, and Miss Grace Maxwell Fernald, Reader in Education and Demonstrator in Psychology.

GRADUATE COURSES.

In addition to the post-major courses, which may be elected by graduate students, ten hours of graduate lectures and seminary work are offered in each year. The laboratory of experimental psychology is open to graduate students for research work.

No undergraduates are admitted to graduate courses.

Dr. Theodore de Laguna conducts in each year the following graduate seminary:

Ethical Seminary.

Three hours a week throughout the year.

* Granted leave of absence for the year 1907-08. The courses announced by Dr. Leuba are given by Mr. Ferree in 1907-08.

The subject of the seminary is either a study of one of the chief problems of ethics or metaphysics or a critical examination of some important movement of thought.

In 1907-08 the special subject of the seminary is English evolutionary ethics.

In 1908-09 Hume and his contemporaries will be studied.

The following graduate seminary will be offered in 1908-09 and in each succeeding year by an instructor whose appointment will be announced later:

Metaphysical Seminary.

Two hours a week throughout the year.

In 1908-09 the subject of the seminary will be an examination of the more important metaphysical theories of recent times. The chief object of this inquiry is to indicate the fundamental postulates and tacit agreements of contemporary philosophical thought.

In 1909-10 the subject of the seminary is the history of the development of epistemological theory. The works of the great modern philosophers such as Descartes, Spinoza, Leibnitz, Locke, Hume, and Kant are examined and discussed from this point of view.

Dr. Theodore de Laguna conducts in each year the journal club.

Philosophical Journal Club.

Two hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

Dr. Leuba offers in each year the following graduate seminary:

Psychological Seminary.

Three hours a week throughout the year.

The work is conducted mainly according to the seminary method. One or two of the following subjects will be chosen each year; the fundamental principles, and most important results of modern psychology; a comparative study of Wundt, William James, James Ward, Stout, and other psychologists; volkpsychologie; language, myths, customs; attention, apperception, the will; the psychology of religion and of ethics; psychology of the beautiful; psychiatry, insanity, and criminology; animal and child psychology, comparative psychology; the history of psychological theories, beginning with the Greek philosophers.

Mr. Ferree offers in each year the following graduate course:

Systematic Psychology.

Two hours a week throughout the year.

Dr. Leuba and Mr. Ferree together conduct in each year the journal club and the laboratory work.

Psychological Journal Club.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

Psychological Laboratory Work.

The laboratory work consists of individual practice and research.

FREE ELECTIVE COURSE.

Dr. Theodore de Laguna will offer in 1908-09 the following free elective course:

Elementary Logic.

One hour a week throughout the year.

This course is an introduction to deductive and inductive logic, including the theories of definition, classification, the transformation of judgments, the canons of the syllogism, the formation of concepts, the general methods of observation and experiment, analogy, and the use of hypotheses.

POST-MAJOR COURSES.

The following post-major courses, open to graduate students, will be offered in 1908-09 and in each succeeding year by an instructor whose appointment will be announced later:

Types of Metaphysical Theory.

Three hours a week throughout the year.

Each semester is devoted to the examination of some important type of metaphysical theory. After the historical development of the theory under investigation has been traced, its implications and relationships are examined and criticised. The particular subjects selected vary from year to year.

Advanced Ethics.

Two hours a week throughout the year.

Dr. Leuba and Mr. Ferree offer in 1908-09 and in each succeeding year the following post-major course, open to graduate students:

Advanced Experimental Psychology. *Three hours a week throughout the year.*

The object of this course is to provide the preparation in laboratory work necessary for graduate work in psychology. The course consists of one lecture a week given by Mr. Ferree and five hours of laboratory work, in qualitative and quantitative psychology, conducted by Dr. Leuba and Mr. Ferree.

Education.

The instruction in this department is under the direction of Dr. James H. Leuba,* Professor of Psychology and Education, and Director of the Psychological Laboratory, and Miss Grace Maxwell Fernald, Reader in Education and Demonstrator in Psychology. The instruction offered covers six hours of lectures a week, in addition to the time devoted to the seminary; it includes two hours a week of free elective work, and four hours a week of graduate work.

It is the purpose of the department to offer to students intending to become teachers an opportunity to obtain a technical preparation sufficient for their profession. Hitherto practical training has been thought necessary for teachers of primary schools only, but similar training is very desirable for teachers in high schools and colleges also. Indeed, it is already becoming increasingly difficult for college graduates without practical and theoretical pedagogical knowledge to secure good positions. In

* Granted leave of absence for the year 1907-08.

addition to the lectures open to undergraduates, courses will be organised for graduate students only; conducted with special reference to preparation for the headship and superintendence of schools. Education cannot be studied to the best advantage unless an acquaintance with at least the rudiments of psychology is presupposed. The elementary experimental course in psychology is therefore earnestly recommended to all students of education.

GRADUATE COURSES.

Graduate students are recommended to follow the work offered in the undergraduate course mentioned below.

No undergraduates are admitted to graduate courses.

Dr. Leuba offers in each year the following graduate courses:

The Methods and Principles of Teaching. *One hour a week throughout the year.*

This course is open only to graduate students who have already taught or to those who take the practice work announced below.

The Psychology of Mental and Bodily Growth with reference to Education. *One hour a week throughout the year.*

A knowledge of elementary psychology is assumed in this course.

Lectures upon school-hygiene; physical training; organisation of education in the United States and in Europe; the training of teachers, etc.

Two hours a week throughout the year.

FREE ELECTIVE COURSE.

Dr. Leuba* offers in each year the following free elective course open to graduate students:

Education.

Two hours a week throughout the year.

This course deals with the great educators and their systems considered with reference to modern educational methods and the problems of to-day.

History of Art and Classical Archæology.

The instruction in this department is under the direction of Dr. Caroline Louise Ransom, Associate in the History of Art and Classical Archæology, and Miss Una McMahan, Demonstrator in the History of Art and Classical Archæology.

An archæological seminary of two hours a week throughout the year is offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight.

* In 1907-08 this course is given by Miss Fernald,

The undergraduate work is divided into courses of three hours a week, and two hours a week, and these change from year to year so that every student has an opportunity, during the course of four years, of taking each undergraduate course offered in the department. The courses in the Art of the Greek and Roman, Early Christian, Mediæval, and Renaissance periods are designed to give an outline of the history of European architecture, sculpture, and painting. Students wishing a more complete introduction to the history of art are advised to elect also the course in Egyptian Art. Additional courses in classical art and archæology are offered for students of Greek and Latin wishing to study classical antiquities.

In addition to the graduate courses announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences.

GRADUATE COURSES.

Two courses are offered to graduate students in addition to the elective courses which are open also to undergraduate students. A reading knowledge of French and German is indispensable for graduate work in art and archæology.

No undergraduates are admitted to graduate courses.

Dr. Ransom offers in each year the following graduate seminary:

Archæological Seminary.

Two hours a week throughout the year.

This course is open only to graduate students who have had some previous training in classical archæology. Special work in sculpture, coins, or vases will be arranged according to the needs of the students.

Dr. Ransom conducts the journal club in each year:

Archæological Journal Club.

One and a half hours once a fortnight throughout the year.

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

FREE ELECTIVE COURSES.

Dr. Ransom offers in 1907-08 the following free elective courses, open to graduate students:

A Survey of the History of Painting. *Three hours a week throughout the year.*

Greek and Roman Industrial Arts (exclusive of vase-painting).

One hour a week throughout the year,

In the first semester terra-cottas, small bronzes, gold and silver vessels, and jewelry are studied. In the second semester glass, work in wood, ivory, and other materials, and coins and gems are treated.

Dr. Ransom offers in 1908-09 the following free elective courses, open to graduate students:

Greek and Roman Art.

Three hours a week throughout the year.

In the first semester the Archaic and Transitional Periods are covered, and sculptures of the time of Phidias are discussed. The study of the great age of Greek sculpture continues through the second semester until the Easter vacation. After this the remaining weeks are devoted to Hellenistic and Roman sculpture.

Greek and Roman Vases.

Two hours a week throughout the year.

A good collection of original material for illustration is in the possession of the department.

Dr. Ransom offers in 1909-10 the following free elective courses, open to graduate students:

Early Christian and Mediæval Art.

Three hours a week throughout the year.

A survey of the history of architecture, sculpture, mosaics, and painting, beginning with the early Christian period and ending with the close of the fourteenth century.

Egyptian Art.

Two hours a week throughout the year.

The architecture, sculpture, pottery, and other material remains of ancient Egypt are considered beginning with the prehistoric period and continuing to the time of the Roman supremacy in Egypt. Special attention is given to subjects bearing on the art of Greece.

Dr. Ransom offers in 1910-11 the following free elective courses, open to graduate students:

A Survey of the History of Architecture, Sculpture, and Painting during the Renaissance.

Three hours a week throughout the year.

The Seventeenth and Eighteenth Century Schools of Painting.

Two hours a week throughout the year.

Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, Mr. Joseph Edmund Wright, Associate Professor of Mathematics, and Dr. Isabel Maddison, Associate in Mathematics.

GRADUATE COURSES.

The graduate courses consist of lectures and seminary work, supplemented by private reading under the direction of the instructors, the courses being arranged each year with reference to the wishes and degree of preparation of the students concerned.

No undergraduates are admitted to graduate courses.

Dr. Scott offers in 1907-08 the following graduate course:

Plane Algebraic Curves and Systems of Curves.

Two hours a week throughout the year.

This course includes a treatment of rational, elliptic, and hyperelliptic curves.

Dr. Scott offers in 1908-09 the following graduate course:

Theory of Algebraic Invariants.

Two hours a week throughout the year.

In this course binary and ternary forms are considered by means of Aronhold's symbolic notation. During the first semester the work is purely algebraic, during the second semester more attention is paid to the geometrical applications. A general knowledge of plane algebraic curves is necessary for students taking this course.

Dr. Scott offers in 1909-10 the following graduate course:

Linear Systems of Curves, Intersections of Curves, and Geometry on a Curve.

Two hours a week throughout the year.

A general elementary knowledge of properties of curves is desirable for students taking this course.

Mr. Wright offers in 1907-08 the following graduate course:

Differential Geometry.

Two hours a week throughout the year.

An account is given of the general differential properties of curves and surfaces.

Mr. Wright offers in 1908-09 the following graduate course:

Linear Differential Equations.

Two hours a week throughout the year.

This course consists of a discussion of the general theory of these equations, particular attention being paid to those of the second order. A detailed account is given of those equations whose singular points are regular. The expression of the variables as uniform functions of a parameter is dealt with and in this connection the elementary properties of automorphic functions are given. Solution by means of definite integrals and equations of the type which arise in connection with mathematical physics are discussed.

Mr. Wright offers in 1909-10 the following graduate course:

Elliptic Functions.

Two hours a week throughout the year.

A knowledge of the elementary properties of elliptic functions is presupposed; the properties of the theta functions are considered and some time is spent on the transformation theory. In the latter portion of the course the properties of modular functions are discussed.

Dr. Scott and Mr. Wright together conduct the journal club.

Mathematical Journal Club.

One hour a fortnight throughout the year.

The journal club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

POST-MAJOR COURSES.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and advanced work. They deal, therefore, with the subjects of the major course, carried to higher developments and treated by higher methods. As the order of

mathematical studies differs in different colleges, graduate students frequently find it advisable to devote a part of their time to these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to four or five hours a week. The courses given are the following, with occasional modifications:

I. (a.) Lectures Introductory to Modern Analytical Geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*, Dr. Scott.

or, I. (b.) Lectures on Modern Pure Geometry, Dr. Scott.

or, I. (c.) Lectures on Special Topics in Geometry, such as Homogeneous Coordinates, Circular Coordinates, Families of Curves, Certain Transcendental Curves, Geometrical Transformations, etc., Dr. Scott.

Special permission to take this course before completing the two years of the major course may be granted to students whose work in the major course has shown that they are able to profit by the lectures.

II. (a.) Lectures Introductory to Modern Algebra, in connection with Salmon's *Modern Higher Algebra*, and Elliott's *Algebra of Quantics*, Mr. Wright.

or, II. (b.) Lectures preparatory to the Theory of Functions, in connection with Harkness and Morley's *Introduction to the Theory of Analytic Functions* and Chrystal's *Algebra*, Vol. II, Mr. Wright.

or, II. (c.) Lectures on Differential Equations, ordinary and partial, Mr. Wright.

or, II. (d.) A general course in Analysis, dealing with the higher development of subjects only touched upon in the major course, such as Determinants, Fourier's Series, Infinite Series, Definite Integrals, etc., Mr. Wright.

III. (a.) Lectures on Analytical Geometry of Three Dimensions, Dr. Maddison.

or, III. (b.) A practical course in Differential Equations, Dr. Maddison.

or, III. (c.) Lectures on the Theory of Envelopes, Dr. Maddison.

In 1907-08 the following post-major courses are offered:

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|-------------------------|---|
| I. (a.) Dr. Scott. | <i>Two hours a week throughout the year.</i> |
| II. (b.) Mr. Wright. | <i>Two hours a week during the first semester.</i> |
| II. (c.) Mr. Wright. | <i>Two hours a week during the second semester.</i> |
| III. (a.) Dr. Maddison. | <i>One hour a week throughout the year.</i> |

In 1908-09 the following post-major courses are offered:

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|-------------------------|--|
| I. (b.) Dr. Scott. | <i>One hour a week throughout the year.</i> |
| II. (d.) Mr. Wright. | <i>Two hours a week throughout the year.</i> |
| III. (c.) Dr. Maddison. | <i>One hour a week throughout the year.</i> |

In 1909-10 the following post-major courses are offered:

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|-------------------------|---|
| I. (c.) Dr. Scott. | <i>Two hours a week throughout the year.</i> |
| II. (b.) Mr. Wright. | <i>Two hours a week during the first semester.</i> |
| II. (a.) Mr. Wright. | <i>Two hours a week during the second semester.</i> |
| III. (a.) Dr. Maddison. | <i>One hour a week throughout the year.</i> |

FREE ELECTIVE COURSES.

Dr. Scott offers in 1907-08 and again in 1910-11 the following free elective course, open to graduate students:

Fundamental Theorems of Algebra and Geometry.

One hour a week throughout the year.

This course is offered in alternate years. Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirement for matriculation is presupposed. It is hoped that the work will prove useful to those intending to teach elementary mathematics.

Dr. Scott offers in 1908-09 the following free elective course, open to graduate students:

Mathematical Processes and Computations.

Two hours a week throughout the year.

This course is intended to enable students of science to acquire a working knowledge of elementary analytical geometry and differential and integral calculus, including differential equations, with certain allied subjects. A knowledge of elementary trigonometry, including logarithms, is presupposed.

Dr. Scott offers in 1909-10 and again in 1911-12 the following free elective course, open to graduate students:

Graphical Mathematics.

One hour a week throughout the year.

The course deals with statistical work, probability, and theory of errors. It is recommended to students of economics as well as to students of physics. A knowledge of mathematics equivalent to that obtained in the minor course or in the course in mathematical processes and computations is presupposed.

Mr. Wright offers in each year the following free elective course, open to graduate students:

Elementary Course in Applied Mathematics.

Two hours a week throughout the year.

This course in applied mathematics is intended for students who are taking or have already taken either the minor course in mathematics or that in mathematical processes and computations. A knowledge of elementary trigonometry is presupposed.

SCIENCE.

Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Joseph W. Warren, Dr. Elmer P. Kohler, Dr. Florence Bascom, Dr. William B. Huff, Dr. David

Hilt Tennent, Dr. Nettie Maria Stevens, Dr. James Barnes, Dr. George Shannon Forbes, Dr. Daniel Webster Ohern, Dr. Harriet Randolph, Dr. Frances Lowater, and Miss Gertrude Langden Heritage.

In January, 1893, the Trustees opened Dalton Hall, a large building, containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The chemical, geological, biological, and physical laboratories and the laboratory for experimental psychology are open for students from nine to six daily.

The chemical department includes a lecture-room, a large laboratory for the first-year students, and several smaller ones for advanced and special work, a special room for physical chemistry, preparation and balance rooms, and a chemical library. The supply of apparatus and chemicals has been carefully selected for the purpose of instruction and research, and is increasing from year to year. The chemical library contains, besides necessary treatises and reference books, complete sets of the most important chemical journals.

The biological laboratories are equipped with the best (Zeiss) microscopes, microtomes, etc., and are supplied with apparatus for the study of experimental physiology.

The physical laboratories are carefully furnished with the apparatus necessary for thorough work.

Graduate work in the natural sciences is highly special, and consists of laboratory work, private reading, and special investigations pursued by the student under the guidance of the instructors.

Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Associate Professor of Physics, Dr. James Barnes, Associate in Physics, and Dr. Frances Lowater, Demonstrator in Physics.

GRADUATE COURSES.

The graduate courses consist of lectures, laboratory work, and original research work under the direction of the instructors, the lecture courses varying from year to year so that they may be pursued by students through consecutive years. A good working library containing the current

and bound numbers of all the important physical journals is kept in the laboratory.

No undergraduates are admitted to graduate courses.

Dr. Huff offers in 1908-09 the following graduate course:

Mathematical Theory of Electricity and Magnetism.

Three hours a week throughout the year.

The lectures are based on Maxwell's standard work, and include a somewhat detailed account of the later development of the theory.

Dr. Huff offers in 1910-11 the following graduate courses:

Radioactivity.

Three hours a week during the first semester.

The earlier lectures deal with the motion of a charged particle in the field. A discussion of the methods of measuring the velocity of a moving charged particle, and the ratio of its charge to its mass follows. After a discussion of the various radioactive processes a brief account of the theories of the structure of the atom is given.

Discharge of Electricity through Gases.

Three hours a week during the second semester.

The lectures deal primarily with the study of ions and the part they play in the mechanism of the electric discharge.

Dr. Barnes offers in 1907-08 the following graduate course:

Physical Optics.

Three hours a week throughout the year.

This course gives a general mathematical discussion of physical optics. Attention is paid to the methods and results of important investigations, bringing in the essential points.

Dr. Barnes offers in 1909-10 the following graduate course:

Thermo-dynamics and Radiation.

Three hours a week throughout the year.

The modern developments of thermo-dynamics and radiation are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

In each year Dr. Huff and Dr. Barnes together conduct the seminary, the journal club, and the laboratory work.

Physical Seminary and Journal Club.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read papers on assigned topics in physics.

Laboratory work.

The laboratory work is arranged for the purpose of familiarising the student with the methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in the laboratory. In the basement there is a constant-temperature vault designed for accurate comparison of lengths, etc., and the laboratory is provided with special rooms for magnetic, optical, and electrical work. A well-equipped shop and a trained mechanic make it possible to have special forms of apparatus constructed which are needed in research work.

POST-MAJOR COURSES.

Dr. Huff offers in 1907-08 the following post-major course, open to graduate students:

Electricity and Magnetism.

Three hours a week throughout the year.

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. Emphasis is laid upon giving clear ideas of physical phenomena. A large number of problems on potential and attraction are assigned.

Dr. Huff offers in 1909-10 the following post-major courses, open to graduate students:

Properties of Matter.

Three hours a week during the first semester.

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matters and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound.

Three hours a week during the second semester.

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

Dr. Barnes offers in 1908-09 the following post-major course, open to graduate students:

General Optics.

Three hours a week throughout the year.

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

Dr. Barnes offers in 1910-11 the following post-major course, open to graduate students:

Spectroscopy.

Three hours a week throughout the year.

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie*. Detailed reports of laboratory investigations are required and in this work Mann's *Manual of Advanced Optics* will be found useful.

Chemistry.

The instruction in this department is under the direction of Dr. Elmer P. Kohler, Professor of Chemistry, Dr. George Shannon Forbes, Associate in Chemistry, and Miss Gertrude Langden Heritage, Demonstrator in Chemistry.

GRADUATE COURSES.

The advanced courses in chemistry consist of lectures upon inorganic, organic, and physical chemistry, seminary work, reports upon current chemical literature, and laboratory exercises. In the laboratory work the students are required to become familiar with the literature bearing upon the subjects they are studying, and it is therefore necessary for them to have a reading knowledge of French and German.

The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the chief subject in the examination for the degree of Doctor of Philosophy. Such students may specialise either in organic chemistry, under the direction of Dr. Kohler, or in inorganic and physical chemistry, under the direction of Dr. Forbes, but students who make organic chemistry the major subject of examination must take physical chemistry as one of their minor subjects, and students who make inorganic chemistry the major subject, must take organic chemistry as one of the minor subjects.

No undergraduates are admitted to graduate courses.

Dr. Kohler conducts in each year the following graduate seminary:

Chemical Seminary, Organic Chemistry. *One hour a week throughout the year.*

The students who specialise in organic chemistry present formal reports upon assigned topics.

Dr. Forbes conducts in each year the following graduate seminary:

Chemical Seminary, Inorganic Chemistry.

One hour a week throughout the year.

The course consists of lectures, required reading, and reports on various topics, including the structure of inorganic compounds, modern analytical methods, and radio-activity.

Dr. Kohler offers in 1908-09 and again in 1910-11 the following graduate course:

Advanced Organic Chemistry.

Three hours a week throughout the year.

Dr. Forbes offers in 1907-08 and again in 1909-10 the following graduate course:

Physical Chemistry.

Three hours a week throughout the year.

The lectures give a general survey of the subject, including the laws of gases, the elements of Thermodynamics, the theory of solutions, chemical kinetics, equilibria and thermo-chemistry.

The laboratory work in connection with the course includes the determination of specific gravities of solids and liquids, the molecular weights of vapors and dissolved substances; the study of reaction velocities, calorimetry, and electro-chemical measurements.

Dr. Kohler and Dr. Forbes together conduct the journal club.

Chemical Journal Club.

One hour a week throughout the year.

The advanced students, with the instructors, meet to hear reports and discussions on recent scientific articles.

POST-MAJOR COURSES.

Dr. Kohler offers in 1907-08 and again in 1909-10 the following post-major course, open to graduate students:

Organic Chemistry, selected topics. *Three hours a week throughout the year.*

The aim of this course is to lay the foundation for independent work in organic chemistry. The lectures begin with a study of current problems as illustrated by some particular class of organic compounds. This is followed by a discussion of the laboratory methods available for the solution of such problems.

The laboratory work is varied to meet the wants of the individual students. In general the student begins with the preparation of some of the more important substances that are discussed in the lectures. This is followed by organic analyses, molecular weight determinations, and the transformations necessary to establish the structural formulas of the substances prepared. In the second semester some elementary problem in organic chemistry is assigned to each student.

Dr. Forbes offers in 1908-09 and again in 1910-11 the following post-major course, open to graduate students:

Inorganic Chemistry.

Three hours a week throughout the year.

The aim of the lectures is to extend the students' knowledge of inorganic and theoretical chemistry and to lay a foundation for independent work in this subject. One hour a week is given to a discussion of the laboratory work and subjects suggested directly by it.

The laboratory work includes the calibration of instruments; the preparation of pure substances; advanced quantitative analysis, comprising the elements of gas and water analysis; and such physico-chemical measurements as the needs of the individual student may indicate.

Geology.

The instruction in this department is under the direction of Dr. Florence Bascom, Professor of Geology, and Dr. Daniel Webster Ohern, Associate in Geology.

The instruction offered in geology includes, in addition to the minor and major courses, two hours a week of free elective work, two post-major courses of three hours a week open only to graduates and to undergraduates that have completed the major course in geology and three graduate courses of five, three, and two hours a week respectively.

Post-major courses in petrography and palæontology are offered in each year, and are designed to train the student in petrographic methods for the exact determination of rock species and rock families and in the principles of invertebrate and

vertebrate palæontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey. The department is also fortunate in its proximity to the museum of the Academy of Natural Science of Philadelphia. Within easy reach of the college there are excellent collecting fields for fossil, mineral, and rock specimens.

GRADUATE COURSES.

The graduate course in petrology should be preceded by the major and post-major courses or their equivalents and is intended primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy. The graduate course in mineralogy is intended to meet the needs of graduate students in chemistry who wish to make mineralogy a minor subject for the degree of Doctor of Philosophy. It is open to all graduate students who have had previous training in chemistry. The graduate course in historical geology is designed primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy; it may also be taken by graduate students in biology who wish to make historical geology a minor subject for the degree of Doctor of Philosophy. Further graduate courses in petrology will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

No undergraduates are admitted to graduate courses.

Dr. Bascom offers the following graduate courses:

Lectures on Petrology.

One hour a week throughout the year.

Field Work.

Three hours a week throughout the year.

Laboratory Work.

Five hours a week throughout the year

The lectures deal with the problems of metamorphism of both aqueous and igneous rocks. The character of metamorphic processes and the conditions which control these processes, the megascopic and microscopic structures, and the criteria determining the origin, classification, geographic distribution and geologic occurrence of metamorphic rocks are treated. Direction is given in research-work, map making, and advanced field work. The amount of laboratory, field work, and private reading required makes the course the equivalent of five hours a week.

Lectures on Mineralogy.

Two hours a week throughout the year.

Laboratory Work.

Three hours a week throughout the year.

This course opens with lectures on morphological crystallography, illustrated by models of crystal forms and accompanied by problems in crystal projections and construction and in the determination of indices by zones; there are also lectures on molecular and dynamical physical crystallography; optical crystallography and optical

methods of mineral determination are treated in detail. A large portion of the second semester is devoted to descriptive mineralogy and the discussion of important mineral species. The lectures are illustrated by minerals, and the student is encouraged to make her own collection.

In the laboratory opportunity is given for the study of crystal forms with the use of Goldschmidt's reflecting goniometer, optical methods of mineral determination, and mineral species.

The works of Hintze, Groth, Tschermak, and Dana are used as reference books.

Dr. Ohern offers in each year the following graduate course:

Lectures on Advanced Historical Geology.

One hour a week throughout the year.

Field Work.

Three hours a week throughout the year.

Laboratory Work.

Three and a half hours a week throughout the year.

A detailed study is made of the rocks of one or more geological periods. The faunas and floras in these rocks are studied with respect to their development and to their associations in the various geographic areas and zoologic provinces. The student will study the literature bearing on the periods under consideration and, in the field, will make a systematic investigation of an assigned area in the vicinity of the college.

Dr. Bascom and Dr. Ohern together conduct the journal club:

Geological Journal Club.

One hour a week throughout the year.

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

POST-MAJOR COURSES.

Dr. Bascom offers in each year the following post-major course, open to graduate students:

Lectures on Petrography.

Two hours a week throughout the year.

Field Work.

Three hours a week throughout the year.

Laboratory Work.

Two and a half hours a week throughout the year.

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the structure, composition, characters, origin, geographical distribution, and geological associations of the igneous rocks are treated. Practice is given in the quantitative chemical classification of igneous rocks for the purpose of determining their position in the new system. Petrographical investigation in the field and laboratory is included in the course. The works of Groth, Rosenbusch, Zirkel, and Michel Lévy are used for reference. Special field problems are given to the students for independent solution.

Dr. Ohern offers in each year the following post-major course, open to graduate students:

Lectures on Palæontology.

Two hours a week throughout the year.

Field Work.

Three hours a week throughout the year.

Laboratory Work.

Two and a half hours a week throughout the year.

The course presupposes a knowledge of Historical Geology. A systematic study is made of the various classes of animals which are found in a fossil state. Special atten-

tion is given to the relations of these classes to each other as bearing on their origin and on the theory of evolution. Weekly excursions are made to neighboring fossiliferous localities to collect fossils, and to observe their occurrence in the rocks. The student has access, not only to the representative palaeontological collection of Bryn Mawr College, but also to the large collections of the several academies and institutes in Philadelphia.

FREE ELECTIVE COURSES.

Dr. Ohern offers in each year the following free elective courses, open to graduate students:

Lectures on Meteorology.

Two hours a week during the first semester.

The course consists of lectures on atmospheric phenomena and of daily meteorological observations for a short period. Weather maps and forecasts are received daily from Washington and, by means of these, weather conditions in the United States are studied and observations are made on phenomena attending storms.

Lectures on Oceanography.

Two hours a week during the second semester.

The course consists of a study of the ocean. The lectures treat of the relief of the sea bottom, the various sediments laid down thereon, animal life in the sea, the conditions under which it exists, and causes of and barriers to the migration of faunas.

Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent, Associate Professor of Biology, Dr. Joseph W. Warren, Associate Professor of Physiology, Dr. Nettie Maria Stevens,* Associate in Experimental Morphology, and Dr. Harriet Randolph, Demonstrator in Biology and Reader in Botany.

GRADUATE COURSES.

The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialise either in animal morphology under the guidance of Dr. Tennent and Dr. Stevens, or in animal physiology under the guidance of Dr. Warren.

No undergraduates are admitted to graduate courses.

Dr. Tennent offers in 1907-08 the following graduate course:

Adaptation of Organisms.

One hour a week throughout the year.

In this course the adaptation of organisms to environment, the origin of adaptations and the theories that have been advanced to account for adaptation are considered.

Dr. Tennent offers in 1908-09 the following graduate course:

Problems in Embryology.

One hour a week throughout the year.

The embryology of invertebrates with special reference to germinal organisation, cleavage, and differentiation, and to the problems of inheritance and development is studied.

* Granted leave of absence for the year 1908-09.

Dr. Tennent offers in 1909-10 the following graduate course:

The Evolution of Organisms.

One hour a week throughout the year.

This course of lectures deals with the growth of the idea of organic evolution, the greater part of the course being devoted to a critical examination of the work of Lamarck, Darwin, and De Vries.

Dr. Warren offers in 1907-08 the following graduate course:

The Physiology of the Special Senses.

One hour a week throughout the year.

Dr. Warren offers in 1908-09 the following graduate courses:

Selected Problems of Nutrition with special reference to recent discussions of standard diets.

One hour a week during the first semester.

The Problem of the Knee-jerk, and a Discussion of the Graphic Method in its Application to Physiology.

One hour a week during the second semester.

Dr. Warren offers in 1909-10 the following graduate courses:

The Interstitial Secretion of Glands ("Internal Secretion").

One hour a week during the first semester.

Selected Problems in Respiration and their bearing on the Nature of Metabolism, and the Problem of Animal Heat (Thermometry and Calorimetry).

One hour a week during the second semester.

Dr. Stevens offers in each year the following graduate course:

Advanced Experimental Morphology.

One hour a week throughout the year.

The topics treated in this course vary from year to year according to the needs of the graduate students attending the course and the work being done by prominent investigators in the field of experimental morphology. Special use is made of the recent periodical literature. The subjects considered in 1905-08 were sex determination, organisation of the cytoplasm of the egg, the mutation theory, some problems in regeneration, statistical methods for the study of biological variation, and experimental morphology from a historical standpoint. A selection from these topics will be given in 1909-10 unless some other topics seem more desirable. Problems for laboratory research are assigned to each student. The course will not be given in 1908-09.

Dr. Tennent, Dr. Warren, and Dr. Stevens together conduct the journal club, the seminary, and the laboratory work.

Biological Journal Club.

One hour a fortnight throughout the year.

The advanced students and the instructors meet fortnightly for the discussion of topics of current biological literature.

Biological Seminary.

One hour a fortnight throughout the year.

The graduate students and the instructors meet fortnightly for the formal presentation of assigned topics.

Laboratory Work.

There is no regular course of laboratory instruction for graduates. Each student desiring to devote a considerable portion of her time to such work is given an experimental problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

POST-MAJOR COURSES.

Dr. Tennent offers in 1907-08 and again in 1909-10 the following post-major courses, open to graduate students:

Comparative Anatomy and Embryology of the Protochordates.

One hour a week during the first semester.

This course of lectures, assigned reading, and laboratory work is intended to supplement the major course in zoology. Types of the principal groups of the protochordates are studied in the laboratory and some individual work is assigned.

The Structure of Protoplasm and the Cell.

One hour a week during the second semester.

The structure of protoplasm, the mechanism of cell division, fertilisation, reduction, and some of the problems of cell organisation are described and studied.

Dr. Tennent offers in 1908-09 and again in 1910-11 the following post-major course, open to graduate students:

Embryology.

One hour a week throughout the year.

This course consists of lectures and laboratory work on the embryology of the vertebrates. In the lectures an effort is made not only to discuss the embryology of specific forms but also to consider carefully the fundamental questions of embryological interest. The development of Amphioxus, Ascidian, Amia, Lepidosteus, Squalus, Ctenolabrus, Necturus, Rana, Chrysemys, Chick, and Mammal is studied. After the study of these forms some elementary problem in embryology is assigned to each student.

Dr. Warren offers in each year the following post-major courses, open to graduate students:

Advanced Physiology.

One hour a week throughout the year.

The topics selected depend upon the previous training of the students, and as far as possible the preferences of the students are consulted. Occasional conferences are held for the discussion of essays prepared by the students and presenting the more important evidence concerning the fundamental problems of physiology. By this means it is hoped to familiarise the student with the literature and with the methods of investigation. In suitable cases and by special permission of the instructor this course may be extended by laboratory work and private reading. In this way it may be made equivalent to a course of two or three hours a week.

Lectures on the Structure and Function of the Central Nervous System.

One hour a week throughout the year.

This course may, under special circumstances, be taken at the same time as the major course. The finer structure of the nervous system of the higher vertebrates is discussed in considerable detail. The physiology of the cord and brain is presented as fully as the time will permit. This course may also be taken as a one hour elective by properly qualified students.

Lectures and Demonstrations in Physiological Chemistry.

Two hours a week throughout the year.

The instruction in this course is given by lectures and conferences on selected topics and also by laboratory work of about three hours a week. It treats of the problems of secretion and excretion, and also of the principal questions of nutrition in considerable detail and with reference to the more modern theories relating to these processes. The lectures are intended to supplement those of the major year, and a preliminary training in chemistry equivalent to that obtained in the minor course is required. This course may be taken as a two hour elective by properly qualified students.

Human Osteology.*One hour a week throughout the year.*

This course is intended for students in the preliminary medical course; it may also be taken as a free elective course by properly qualified students receiving special permission. Two hours laboratory work is required in connection with the course.

Dr. Stevens offers in each year the following post-major course, open to graduate students:

Problems in Experimental Morphology. *One hour a week throughout the year.*

The object of this course is to give a general view of experimental morphology, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in this subject. The students will be referred to the most recent investigations in the subject and an attempt will be made to make them familiar with the most interesting research problems in experimental morphology. This course may be taken in exceptional cases as a one hour course with one and a half hours laboratory work or assigned reading, but it is recommended that it be taken with five hours laboratory work as a three hour course. It will not be given in 1908-09.

Dr. Tennent, Dr. Warren, and Dr. Stevens conduct laboratory work in connection with the above courses:

Laboratory Work.

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in adapting it to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. The site of the college is four hundred and twenty feet above sea level, in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis courts, and two large athletic fields, one of which is converted in winter into a skating-pond.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, ten lecture-rooms, and the offices of administration.

The library, the gift of the friends, graduates, and students of the college, begun in April, 1903, was completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630, and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of

about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three story stack with accommodation for eighty-eight thousand volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet, as in the British Museum reading-room, to secure privacy to the reader. No books of reference are kept in the main reading-room. Beyond the reading-room on the south side is the newspaper and magazine room, and reached through this a student's study room. On the north side is the Art Seminary, containing collections of photographs, vases, and coins. The main building contains offices for the librarians and cataloguers, a study room for the non-resident students, and four cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain twelve seminary rooms and twenty-five professors' offices. The books needed for graduate study and research are kept in the seminary rooms and graduate lectures are held in them. The seminaries are arranged as follows: Greek, Latin, English, German, French, Italian and Spanish, and Philosophy in the north wing; Mathematics, History, Economics, Psychology, and Semitic Languages in the south wing. The total book capacity of the library, including the seminary libraries and the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fire-proof. Professors' offices for the senior professors in each department adjoin the seminary rooms. There are also two seminary lecture-rooms accommodating about fifteen students, one general lecture-room accommodating forty-two students, four interview rooms, and a library for the use of the Christian Union.

On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains rooms for the Monograph Committee of the Faculty, the Alumnae Association, the Students' Association for Self-Government, and fire-proof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 a. m. till 10 p. m. and on Sundays from 2 p. m. till 10 p. m. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the Trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the *alumnæ* and students.

Around Taylor Hall the Trustees have erected halls of residence for the accommodation of students. Plans, drawings, and descriptions of the six halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall East, Pembroke Hall West, and Rockefeller Hall, the gift of Mr. John D. Rockefeller, and of the academic buildings, Taylor Hall, the Library, and Dalton Hall, are published in a separate pamphlet to be obtained from the Secretary of the College.

The gymnasium, which is open to the students from 8 a. m. till 10 p. m., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director, and an adjoining room for the examination and record of the physical development of the students. In the basement are bathrooms for use after exercise and a swimming-tank, seventy-four feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the *alumnæ*, students, and friends of the college, and well supplied with spring boards, life preservers, and other apparatus for the teaching of swimming. The gymnasium was built in accordance with the plans of Dr. Sargent, is furnished with his complete apparatus, and is under the charge of a director and two assistants.

There is on the grounds, separated from the other buildings, a cottage infirmary, or hospital, with accommodation for patients and nurses, and its own kitchen and bathrooms.

A central power-house, which was erected in 1903 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the piping system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils as well as in the individual rooms. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees, during all the twenty-four hours of the day, in all the bathrooms and stationary washstands and tea pantries.

The Delaware and Atlantic Telegraph and Telephone Company, a branch of the long-distance Bell Telephone Company, maintains telephone pay stations in each of the halls of residence, in the library and in the gymnasium, by means of which the students may be communicated with at any time. Near the college are a Postal Telegraph-Cable Company office (service 6 A. M. to 12 P. M.), an Adams Express office, a United States money-order office, and two banks. There are good roads in every direction. Horses for riding and driving may be kept at livery near the college, at a cost of twenty-five dollars a month.



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